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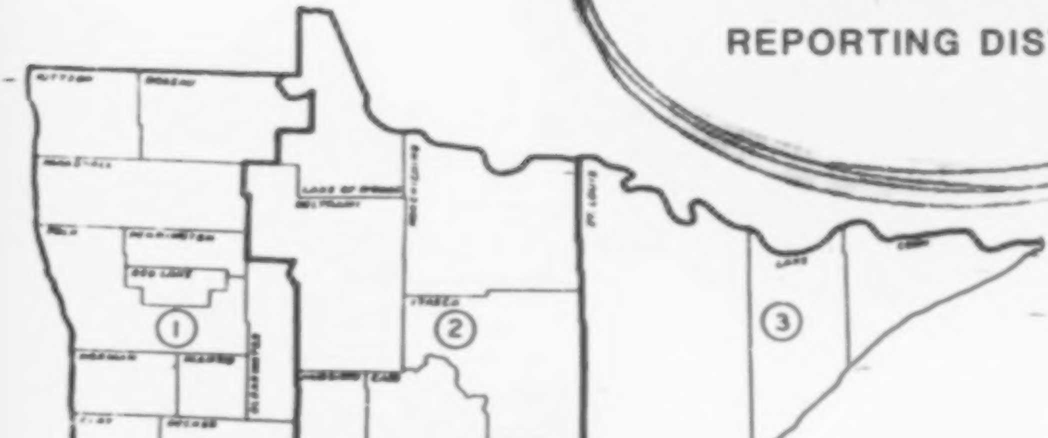
Minnesota Agriculture Statistics

1989

MINNESOTA'S
AGRICULTURAL REPORTING DISTRICTS



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Minnesota Agriculture Statistics

1989

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Carroll Rock, State Statistician
George Howse, Deputy State Statistician
Linda Wright, Editor

ADMINISTRATION
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SURVEYS
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CROPS
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Aggie Moser

LIVESTOCK
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Chris Engen
Greg Bussler
Eileen Thurman

LIST SAMPLING FRAME & DATA MANAGEMENT
Don Saboe
Roger Binning
Doris Webber
Muriel Whitmore
Lois Kieffer

Minnesota Agricultural Statistics Service

P.O. Box 7068
90 West Plato Boulevard
St. Paul, Minnesota 55107
Phone (612) 296-2230

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Issued Cooperatively By

U.S. Department of Agriculture
National Agricultural Statistics Service
Charles Caudill, Administrator

Minnesota
Department of Agriculture
Jim Nichols, Commissioner

To make it in farming . . . you need more than a run of good weather

If anything ever proved the value of having solid ag information, it was last year's drought. Farmers and others depended on us to give up-to-the-minute details on crop developments as they happened . . . and we delivered.

But it doesn't take a crisis for farmers to see the value of good ag statistics. As a valued client, you depend on it all year long. And we depend on you to keep providing us with the most accurate information possible so we can do our job right.

Rain or shine, we're here to help you with your ag information needs. As part of the Minnesota and U.S. Departments of Agriculture, we've been in business over 125 years to help you with the tools you need to do the job right. Thanks for making it happen.

MINNESOTA AGRICULTURAL STATISTICS SERVICE

-Foreword-

STATE OF MINNESOTA
DEPARTMENT OF AGRICULTURE
OFFICE OF THE COMMISSIONER

If the 1988 crop statistics in this book seem out of kilter to you, you've already forgotten the drought of last year. What never ceases to amaze me, even though I'm a farmer myself, is the "bounce-back" attitude those of us in agriculture have each year, especially when the new crop season begins. Without that attitude, you probably couldn't depend on the American farmer to put food on your table.

Another interesting aspect of last year's drought is the effect it had on food prices. After the Alaskan oil spill, gasoline prices soared. When compared with 1987, America lost almost a third of its corn crop in the drought of 1988 and the wheat crop was the lowest in 10 years. Here in Minnesota, we lost half of our corn and wheat crops and almost a third of our soybeans. But did prices soar at the supermarket? No. Americans still spend only about 13% of their income on food.

One thing the Department of Agriculture is particularly concerned about as we head into the 1990's is groundwater quality and food safety. In the next few years, you'll see the Department taking on a proactive role in making sure the water you drink and the food you eat is the safest it can be. Here at the Department, our commitment is to make sure Minnesota produces a top-notch product for people here in America and overseas. When it comes to food, if it's "Minnesota-grown", it's a premium product.

Jim Nichols

Jim Nichols, Commissioner
Minnesota Department of Agriculture

Farmers will remember 1988 for a long time. The year of the drought in Minnesota will be in their memory for many years.

Advanced technology, better production practices, and modern machinery don't count for a lot when the weather decides not to cooperate. Fortunately, it doesn't happen often in Minnesota — and the state's farmers did a great job of adapting to change and "rolling with the twin punches" of too little water and too much heat.

Minnesota farmers are responsible for much of the information contained in this book. Across Minnesota, farmers and agribusinesses voluntarily provide the basic "building blocks" of knowledge that go into these state and county figures. If this book is useful to you, they're the ones who deserve your appreciation.

In 1988, it became evident once again why accurate information is essential to the farmer and the rest of the agricultural community. There was intense interest in each one of our reports this past year as the dry weather continued through the growing season. After the season was over, these figures were used again to measure the size of disaster payments to producers all over the state. Whether our reports make front-page news as they did in 1988 or whether they're buried on the back page, we make them the most accurate they can be.

This issue of **Minnesota Agricultural Statistics** continues about 70 years of providing an annual bulletin of farm facts. We hope you find it helpful.

Carroll Rock

Carroll Rock
State Statistician

Minnesota
Agricultural
Statistics
Service

-Contents-

SECTION 1:

MINNESOTA'S RANK,
NUMBER OF FARMS, FARM INCOME,
EXPORTS, FOOD COSTS, WEATHER SUMMARY

PAGE

Minnesota's Rank Among States------------------4
Leading Counties in Cash Receipts and Agricultural Production------------------5
Number of Farms, Land in Farms, Average Size----------6, 30, 32-33
Minnesota Farmland Values---------------------7
Farm Income, Expenses-------------------------8
Cash Receipts by Commodity--------------------9
County Estimates: Cash Receipts-----------10-11
Balance Sheet of Agriculture------------------12
Consumer/Food Cost Charts-----------------13-14
Agricultural Exports--------------------------15
Weather Summary---------------------------16-18

SECTION 2:

CROPS

1988 Crop Summary-----------------------------20
Records in Crop Production & Grain Stocks-----21
Charts: Acreage & Production of Major Crops, Corn Yields------------------------22

Historic Crop Data:

Corn, Soybeans, Oats, Barley, Rye-----------23
Wheat, Flaxseed, Sugarbeets-----------------24
Sunflowers, Hay-----------------------------25
Potatoes, Dry Edible Beans------------------26
Sweet Corn, Green Peas, Onions, Carrots, Apples-------------------27
Grain Marketings By Months--------------------28
Grain Stocks----------------------------------29
Geographic Distribution, Number of Farms, Average Farm Size, And Land In Farms By County----------------------------30
Geographic Distribution, Major Crops----------31

County Estimates:

Number of Farms, Average Farm Size, And Land In Farms By County-------------------32-33
Corn------------------------------------34-35
Corn For Silage-------------------------36-37
Soybeans--------------------------------38-39
All Wheat-------------------------------40-41
Spring Wheat----------------------------42-43
Oats------------------------------------44-45
All Hay---------------------------------46-47
Alfalfa Hay-----------------------------48-49
Barley------------------------------------50
Flax--------------------------------------51
Rye---------------------------------------52
Potatoes, Sugarbeets----------------------53
Dry Edible Beans--------------------------54
All Sunflowers----------------------------55
Sweet Corn--------------------------------56
Green Peas--------------------------------57
Average Planting And Harvesting Dates---------58
Planting Progress Charts, Major Crops---------59
Harvesting Progress Charts, Major Crops-------60
Wild Rice Production--------------------------61
Fertilizer Usage------------------------------61

SECTION 3:

LIVESTOCK, DAIRY, POULTRY

PAGE

Summary, Number of Livestock Farms------------63
Records In Livestock, Dairy, Poultry----------64
Charts: Livestock on Farms, Slaughter--------65
Livestock Inventories And Value---------------66
Cattle & Calf Disposition---------------------67
Cattle Inventories, Production, Income--------67
Cattle On Feed By Quarters--------------------67
County Estimates: Cattle, Sheep-----------68-69
Beef Cows, Milk Cows----70-71
Geographic Distribution: Cattle, Hogs--------72
Sheep, Eggs---------73
Sows Farrowed, Pig Crop, Disposition----------74
Hogs And Pigs By Quarters---------------------74
Hog Production And Income---------------------75
Mink Production-------------------------------75
Bees And Honey Production---------------------75
County Estimates: Hogs On Farms, Sows Farrowed, Pig Crop------------------76-77
Sheep, Lambs, Wool----------------------------78
Monthly Livestock Slaughter-------------------79
Milk Production, Disposition, Income----------80
Manufactured Dairy Products-------------------80
Monthly Dairy Production----------------------81
County Estimates: Milk Production, Milk Cows, Production Per Cow------------82-83
Charts: Milk Production, Milk Cows, Geographic Distribution of Production-------84
Poultry Summary-------------------------------85
Chicken & Egg Inventory, Production, Value----86
Broilers & Turkey Production, Value-----------86
Monthly Poultry Production--------------------87
County Estimates: Hens And Pullets, Rate Of Lay, Egg Production--------------88-89

SECTION 4:

PRICES

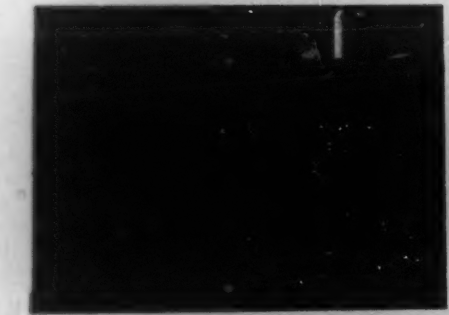
Crop Prices---------------------------------91-92
Livestock Prices----------------------------93-94
Dairy Prices----------------------------------95
Poultry Prices--------------------------------96
Charts: Prices Received, Major Commodities, Prices Received Index----------97

INDEX-------------------------------------98-99

Celebrate
MINNESOTA
1990

SECTION 1

MINNESOTA'S AG RANKINGS, LAND VALUES, FARM NUMBERS, FARM INCOME, WEATHER SUMMARY



State Rankings

MINNESOTA'S RANK AMONG STATES

ITEM	1	2	3	4	5	6	7	8	9	10
Number of Farms, June 1, 1988 1/	TX	MO	IA	KY	MN	TN	OH	IL	WI	CA
Cash Farm Receipts, 1988:										
Total	CA	TX	IA	NE	KS	MN	IL	WI	NC	IN
Crops	CA	FL	IA	IL	TX	MN	NE	IN	KS	WA
Livestock & Livestock Products	TX	NE	IA	CA	KS	WI	MN	CO	PA	OK
Crop Production, 1988:										
Corn	IA	NE	IL	IN	MN	OH	MO	KS	SD	WI
Soybeans	IA	IL	MN	IN	MO	OH	AR	NE	LA	MS
All Wheat 2/	KS	OK	WA	ND	TX	CO	MO	ID	NE	IL
Other Spring Wheat	ND	MN	ID	MT	WA	SD	OR	CO	UT	NV
Oats 3/	IA	MN	SO	WI	PA	NE	IL	OH	TX	NY
Barley	ID	ND	WA	MT	MN	CA	OR	CO	UT	WY
All Sunflowers	ND	SD	MN	TX	--	--	--	--	--	--
All Hay	CA	MN	IA	NE	TX	KS	MO	NY	WI	PA
All Potatoes	ID	WA	MA	OR	CO	WI	CA	ND	MN	MI
Sugarbeets	CA	MN	ID	ND	MI	NE	WY	MT	CO	TX
Flaxseed	ND	SD	MN	--	--	--	--	--	--	--
Rye 4/	SD	GA	NE	ND	MN	NC	PA	OK	SC	MI
Sweet Corn for Processing	WI	MN	WA	OR	ID	IL	NY	MD	DE	PA
Green Peas for Processing	WA	WI	MN	OR	DE	NY	--	--	--	--
Dry Edible Beans	NE	CA	ND	CO	ID	MI	WA	WY	MN	NY
Livestock, Dairy, Poultry:										
Red Meat Production, 1988	IA	NE	KS	TX	IL	CO	MN	CA	SD	MI
Cattle & Calves, Jan. 1, 1989	TX	KS	NE	OK	IA	CA	MO	WI	SD	MN
Milk Cows, Jan. 1, 1989	WI	CA	NY	MN	PA	OH	TX	MI	IA	MO
Cattle & Calves on Feed, Jan.1, 1989	TX	NE	KS	CO	IA	CA	IL	MN	OK	AZ
Cattle & Calves Marketed, 1988 5/	TX	NE	KS	OK	CO	IA	CA	SD	MO	WI
Hogs, December 1, 1988	IA	IL	MN	IN	NE	MO	NC	OH	SD	KS
Pig Crop, 1988	IA	IL	MN	IN	NE	MO	NC	OH	SD	KS
Hogs Marketed, 1988	IA	IL	MN	IN	NE	MO	NC	OH	SD	KS
Stock Sheep & Lambs, Jan.1, 1989 6/	TX	CA	WY	MT	SD	NM	UT	CO	IA	OR
Lamb Crop, 1988 7/	TX	CA	WY	SD	MT	UT	CO	IA	OK	NM
All Chickens, December 1, 1988 5/	CA	IN	PA	GA	OH	AR	NC	TX	AL	FL
Eggs Produced, Dec.1987-Nov.1988 5/	CA	IN	PA	OH	GA	AR	NC	TX	FL	AL
Turkeys Raised During 1988	NC	MN	CA	AR	MO	VA	IN	PA	IA	SC
Milk Production, 1988	WI	CA	NY	MN	PA	MI	TX	OH	WA	IA
Dairy Products Manufactured During 1988										
Total Cheese	WI	MN	CA	NY	IA	PA	MO	ID	SD	VT
American Cheese	WI	MN	CA	IA	ID	NY	MO	SD	ND	UT
Butter	WI	CA	MN	WA	PA	MI	NY	KS	OK	OR
Nonfat Dry Milk	CA	MN	IA	WI	MI	ND	--	--	--	--
Ice Cream	CA	PA	TX	NY	MA	OH	MN	NC	IL	FL
Mink Pelts Produced, 1987 8/	WI	UT	MN	WA	ID	OR	IL	PA	MI	IA
Honey Produced, 1988	FL	CA	MN	SD	ND	NE	TX	WI	IA	MI
Exports	CA	IA	IL	KS	TX	NE	MN	IN	OH	MO

1/ MN and TN tied for 5th place.
2/ MN ranked 14th.
3/ OH and TX tied for 8th place.
4/ OK and SC tied for 8th place.
5/ MN ranked 11th.
6/ IA and OR tied for 9th place; MN ranked 13th.
7/ MN ranked 13th.
8/ ID and OR tied for 5th place.

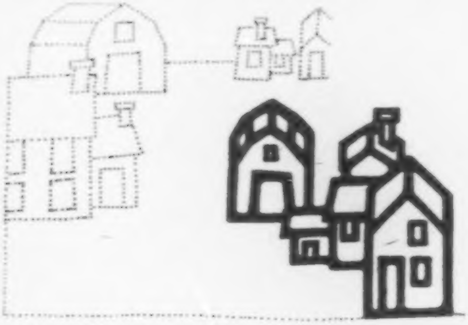
County Rankings

MINNESOTA'S LEADING AGRICULTURAL COUNTIES

ITEM	1	2	3	4	5	6	7	8	9	10
1987 CASH FARM RECEIPTS										
Total	Stearns	Polk	Renville	Otter Tail	Nobles	Martin	Redwood	Fillmore	Jackson	Kandiyohi
Crops	Polk	Renville	Clay	Marshall	Martin	Faribault	Wilkin	Redwood	Freeborn	Norman
Livestock	Stearns	Otter Tail	Fillmore	Nobles	Morrison	Kandiyohi	Goodhue	Todd	Winona	Olmsted
Government Payments	Polk	Marshall	Freeborn	Martin	Faribault	Fillmore	Renville	Mower	Redwood	Jackson
1987 NUMBER OF FARMS	Stearns	Otter Tail	Todd	Morrison	Wright	Goodhue	Fillmore	Polk	Renville	Redwood
1988 CROP PRODUCTION										
Corn for Grain	Martin	Faribault	Freeborn	Jackson	Mower	Nobles	Bl.Earth	Murray	Cottonwood	Redwood
Soybeans	Martin	Nobles	Jackson	Faribault	Bl.Earth	Renville	Redwood	Murray	Mower	Cottonwood
All Wheat	Polk	Norman	Marshall	Clay	Roseau	Kittson	Wilkin	Becker	Pennington	Traverse
Oats	Wabasha	Goodhue	Stearns	Fillmore	Winona	Otter Tail	Roseau	Olmsted	Pennington	Marshall
Barley	Polk	Norman	Marshall	Mahnomen	Clay	Becker	Roseau	Wilkin	Pennington	Red Lake
Sugarbeets	Polk	Clay	Renville	Norman	Wilkin	Chippewa	Marshall	Kittson	Kandiyohi	Grant
Sunflowers	Polk	Pennington	Marshall	Red Lake	Roseau	Kittson	Norman	Clay	Beltrami	Traverse
Rye	Roseau	Sherburne	Chisago	Isanti	Marshall	Morrison	Polk	Benton	Otter Tail	Becker
Flax	Roseau	L.O'Woods	Penngtn.	Marshall	Kittson	Red Lake	Big Stone	Becker	Beltrami	Polk
Dry Edible Beans	Polk	Hubbard	Marshall	Otter Tail	Renville	Swift	Traverse	Clay	Stearns	Wadena
All Hay	Otter Tail	Stearns	Winona	Fillmore	Goodhue	Wabasha	Houston	Todd	Morrison	Aitkin
Potatoes	Polk	Sherburne	Marshall	Freeborn	Clay	Kittson	Norman	L.O`Woods	Anoka	Wilkin
Sweet Corn	Dodge	Goodhue	Renville	Faribault	Sibley	Dakota	Mower	McLeod	Waseca	Brown
Green Peas	Goodhue	Renville	Faribault	Mower	Olmsted	Wabasha	Brown	Waseca	Redwood	Dodge
LIVESTOCK, DAIRY AND POULTRY										
Cattle & Calves, Jan. 1, 1989	Stearns	Otter Tail	Fillmore	Winona	Goodhue	Todd	Houston	Morrison	Wabasha	Olmsted
Beef Cows, Jan. 1, 1989 1/	Fillmore	Houston	Otter Tail	Polk	Clrwater.	Olmsted	Beltrami	Wabasha	Roseau	Winona
Milk Cows, Jan. 1, 1989	Stearns	Otter Tail	Todd	Morrison	Goodhue	Winona	Wright	Carver	Fillmore	Wabasha
Milk Prod, 1988	Stearns	Otter Tail	Morrison	Todd	Goodhue	Winona	Wright	Carver	Wabasha	Fillmore
Stock Sheep & Lambs Jan. 1, 1989 2/	Otter Tail	Renville	Fillmore	Goodhue	Pipestone	Lyon	Murray	Nobles	Roseau	Freeborn/ Olmsted
Hogs, Dec.1, 1988	Martin	Jackson	Freeborn	Bl.Earth	Nobles	Stearns	Mower	Renville	Faribault	Fillmore
Pig Crop, 1988	Martin	Stearns	Jackson	Freeborn	Nobles	Bl.Earth	Fillmore	Mower	Renville	Faribault
Hens & Pullets 1988	Sibley	Morrison	Meeker	Clay	Clrwater.	Stearns	Pine	Freeborn	Nicollet	Benton
Cattle & Calves on Feed, Jan.1, 1989	Stearns	Nobles	Rock	Cottonwood	Redwood	Stevens	Dakota	Jackson	Bl.Earth	Lyon

1/ Clearwater and Olmsted tied for 5th place; Roseau and Winona tied for 9th place.
2/ Murray and Nobles tied for 7th place; Freeborn and Olmsted tied for 10th place.

Farm Numbers



The number of farms in Minnesota increased slightly by 2,000 to 94,000 farms during the period of June 1, 1987 to June 1, 1988. Some of the reasons for the increase in numbers:

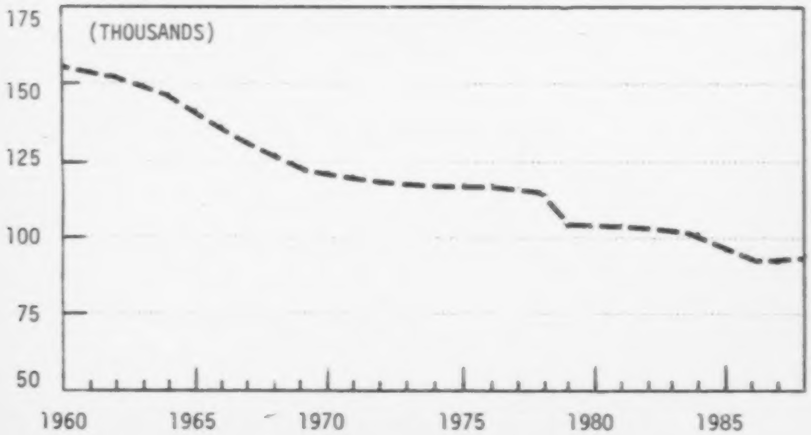
- Some farmers have broken up partnerships and established separate farms to offset the $50,000 limitation in government program payments.
- There have been a number of whole farms going into the CRP. Landlords who have been renting out their farms bid into the program and are now considered farmers.
- More young people got back into farming in the past year, encouraged by low prices for land and used machinery.

Minnesota and Wisconsin showed a gain against the surrounding states. Wisconsin increased by 1,000 farms while North Dakota, Iowa, Michigan, and Indiana remained steady. South Dakota and Illinois lost about half as many farms as last year and Nebraska stayed the same.

The number of farms in the United States in 1988 was estimated at 2.16 million, down 1% from 2.18 million in 1987.

Total land in U.S. farms for 1988 is 999 million acres, down from the 1,003 million in 1987. Land in farms has declined every year since reaching its peak at 1,206 million acres in 1954.

MINNESOTA FARM NUMBERS *

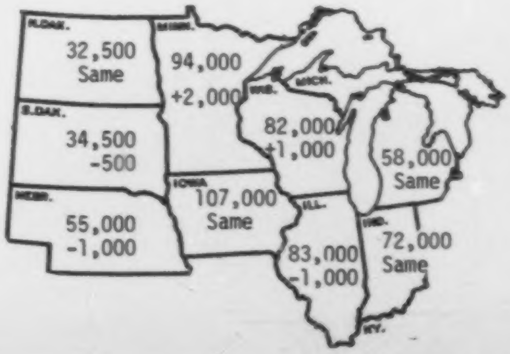


*The definition of a farm changed in 1979. The current definition is any place with $1,000 or more of agricultural sales in a calendar year or those farms having the potential to do so.

MINNESOTA FARM NUMBERS, FARMLAND, AND AVERAGE FARM SIZE

Year	Number of Farms	Land In Farms	Average Size Of Farms
	Number	000 Acres	Acres
1979	104,000	30,300	291
1980	104,000	30,300	291
1981	104,000	30,400	292
1982	103,000	30,400	295
1983	102,000	30,400	298
1984	101,000	30,400	301
1985	96,000	30,400	317
1986	93,000	30,000	323
1987	92,000	30,000	326
1988	94,000	30,000	319

1988 NUMBER OF FARMS AND CHANGE FROM 1987

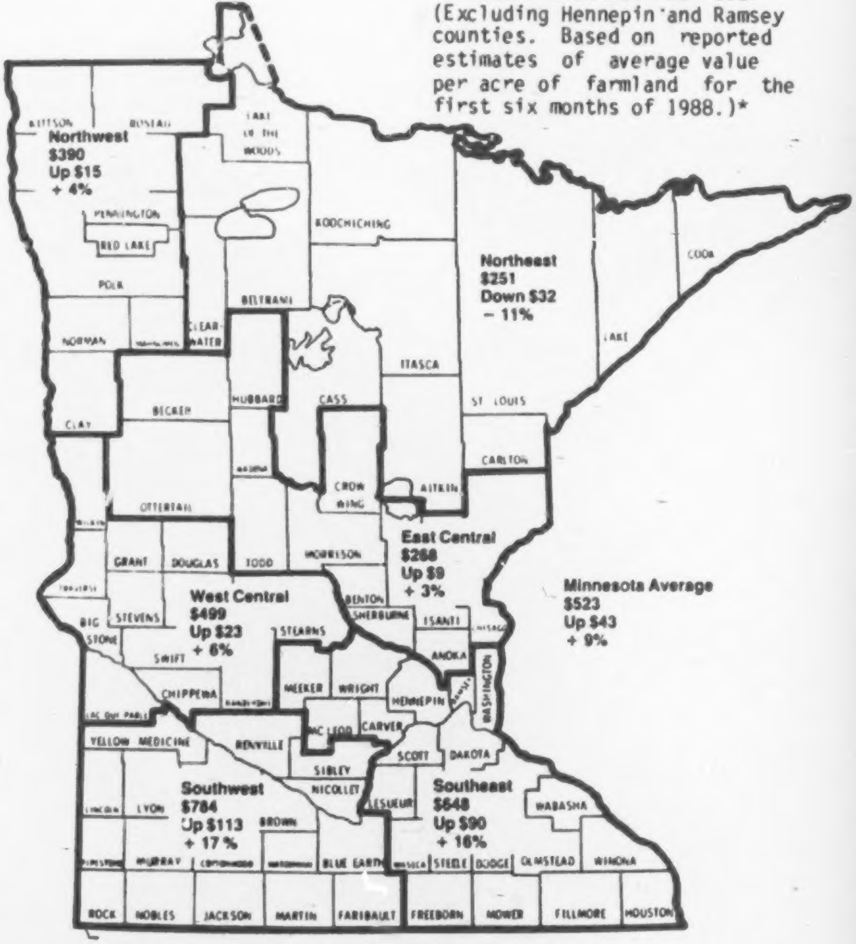


Land Values

According to the University of Minnesota, state farmland values gained 9% from July 1987 to July 1988. An acre of farmland was going for $523 per acre, reversing a trend of continuously declining values in every year since 1981.

Each district except northeastern Minnesota showed an increase in value, with the southern and western districts reporting the greatest gains.

In 1988, financial difficulty was the most frequent reason given for selling, accounting for 42% of all sales. Expansion buyers continued to dominate the market by purchasing 75% of the properties sold.



ESTIMATED LAND VALUES PER ACRE IN 1988 AND CHANGE FROM 1987 (Excluding Hennepin and Ramsey counties. Based on reported estimates of average value per acre of farmland for the first six months of 1988.)*

Northwest
$390
Up $15
+ 4%
Northeast
$251
Down $32
– 11%
East Central
$268
Up $9
+ 3%
West Central
$499
Up $23
+ 6%
Minnesota Average
$523
Up $43
+ 9%
Southwest
$784
Up $113
+ 17 %
Southeast
$648
Up $90
+ 16%
KITTSON
ROSEAU
LAKE OF THE WOODS
PENNINGTON
RED LAKE
POLK
KOOCHICHING
COOK
BELTRAMI
NORMAN
CLEARWATER
LAKE
ITASCA
CLAY
BECKER
HUBBARD
CASS
ST LOUIS
CARLTON
OTTERTAIL
CROW WING
AITKIN
GRANT
DOUGLAS
TODD
MORRISON
BIG STONE
STEVENS
SWIFT
STEARNS
BENTON
SHERBURNE
ISANTI
ANOKA
WASHINGTON
CHIPPEWA
MEEKER
WRIGHT
HENNEPIN
LAC QUI PARLE
MC LEOD
CARVER
YELLOW MEDICINE
RENVILLE
SCOTT
DAKOTA
SIBLEY
NICOLLET
LESUEUR
WABASHA
LINCOLN
LYON
BROWN
MURRAY
BLUE EARTH
STEELE
DODGE
OLMSTEAD
WINONA
ROCK
NOBLES
JACKSON
MARTIN
FARIBAULT
FREEBORN
MOWER
FILLMORE
HOUSTON

ESTIMATED AVERAGE VALUE PER ACRE OF MINNESOTA FARMLAND BY DISTRICT*

Year	South-east	South-west	West Central	East Central	North-west	North-east	Minnesota
1975	674	844	503	296	295	163	525
1976	856	1,106	624	349	378	210	667
1977	1,027	1,316	730	415	427	279	794
1978	1,191	1,421	803	498	483	304	889
1979	1,453	1,620	883	573	599	368	1,040
1980	1,526	1,750	962	596	683	390	1,120
1981	1,709	2,083	1,135	679	813	460	1,310
1982	1,504	1,875	1,044	584	748	483	1,179
1983	1,354	1,669	981	561	658	411	1,065
1984	1,164	1,401	873	505	586	436	927
1985	861	967	690	374	510	362	686
1986	603	696	511	296	418	308	515
1987	558	671	472	259	375	293	480
1988	648	784	499	268	390	251	523
% Change 1987/88	+16	+17	+6	+3	+4	-11	+9

*From MINNESOTA AGRICULTURAL ECONOMIST, March 1989, Agricultural Extension Service, University of Minnesota, St. Paul, MN 55108, "The Minnesota Rural Real Estate Market In 1988", by Andrew Schwab and Phillip Raup.

Farm Income

Minnesota's total net farm income posted a healthy 18% increase from 1986-87 but once again, the gain didn't come from the marketplace.

The $2 billion net farm income was the second highest on record and was made possible by a record high $1.19 billion in government payments. The record high year for net farm income was 1973, at $2.23 billion.

Cash receipts in 1987 posted a 4% decline. The drop would've been greater had it not been for higher cattle and hog receipts.

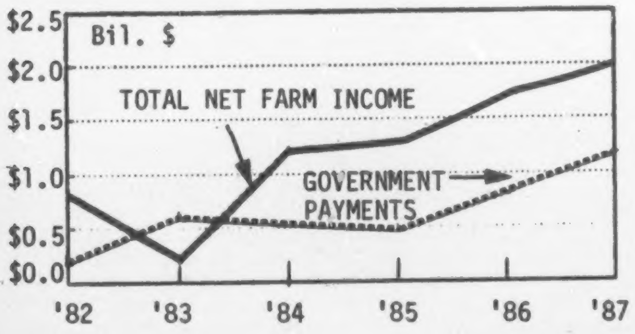
Government payments soared to a record high $1.19 billion, up 46% from the previous record of 1986. Over 60% of the government payments went for the feed grain programs. Had it not been for government payments, the average net income per farm would have totaled only $8,746 instead of $21,273.

TOTAL INCOME OF MINNESOTA FARMS

Year	Cash Receipts From Farm Marketings	Government Payments	Non-Money Income 1/	Other Farm Income 2/	Net Change in Farm Inventories 3/	Total Gross Farm Income	Total Farm Production Expenses	Total Net Farm Income
					Million Dollars			
1983	6,375.0	611.7	545.5	131.6	-866.1	6,797.7	6,589.4	208.3
1984	6,052.8	529.9	506.9	117.2	679.0	7,885.8	6,658.1	1,227.6
1985	6,605.8	480.1	403.2	143.2	-275.4	7,356.9	6,063.7	1,293.2
1986	6,029.9	802.4	306.8	133.0	-141.3	7,130.8	5,435.5	1,695.4
1987	5,809.3	1,193.8	250.0	146.4	9.7	7,409.3	5,410.8	1,998.5
1988 4/	6,405.5	-----	-----	-----	-----	-------	-------	-------

1/ Includes value of home consumption and housing.
2/ Includes income from custom work, machine hire, and recreation.
3/ Estimated physical change in crops and livestock owned by farmers, valued at average prices prevailing during the year.
4/ Detailed data not available at time of publication.

MINNESOTA FARM INCOME & GOVERNMENT PAYMENTS



AVERAGE INCOME PER MINNESOTA FARM 1/

Year	Number Of Farms	Total Gross Farm Income	Farm Production Expenses	Total Net Farm Income
	--000--	-----	Dollars	-----
1983	102	66,644	64,602	2,042
1984	101	78,077	65,922	12,155
1985	96	76,634	63,164	13,470
1986	93	76,675	58,446	18,229
1987	92	80,536	58,813	21,723

1/ Farms having annual sales of ag products of $1,000 or more.

MINNESOTA CASH RECEIPTS FROM FARM MARKETINGS 1/

Commodity	1985		1986		1987	
	Dollars	Percent Of Total	Dollars	Percent Of Total	Dollars	Percent Of Total
	000	Pct.	000	Pct.	000	Pct.
CROPS: 2/						
FEED CROPS						
Corn..................	1,174,729	17.8	935,577	15.5	567,841	9.8
Oats..................	47,245	0.7	26,676	0.4	28,349	0.5
Barley................	123,595	1.9	80,922	1.3	60,011	1.0
Hay...................	59,601	0.9	67,178	1.1	67,444	1.2
FOOD GRAINS						
Wheat.................	473,257	7.2	291,200	4.8	209,602	3.6
Rye...................	7,400	0.1	3,391	0.1	1,995	*
OIL CROPS						
Soybeans..............	906,116	13.7	757,579	12.6	769,375	13.2
Flaxseed..............	3,491	0.1	3,295	0.1	836	*
Sunflowers............	18,975	0.3	17,678	0.3	13,614	0.2
VEGETABLE CROPS						
Potatoes..............	58,283	0.9	58,092	1.0	59,668	1.0
Sweet Corn (Process)..	40,614	0.6	39,534	0.7	40,914	0.7
Green Peas (Process)..	30,905	0.5	21,926	0.4	22,369	0.4
Sugarbeets............	183,168	2.8	203,605	3.4	203,605	3.5
Dry Beans.............	15,279	0.2	19,652	0.3	21,265	0.4
Apples................	4,588	0.1	5,465	0.1	5,297	0.1
Greenhouse & Nursery...	20,455	0.3	18,323	0.3	13,712	0.2
Floriculture..........	25,398	0.4	27,530	0.5	32,141	0.6
Other Crops, Fruits, Vegetables 3/.........	42,350	0.6	44,657	0.7	46,575	0.8
TOTAL CROPS.........	3,235,449	49.0	2,622,280	43.5	2,164,613	37.3
LIVESTOCK PRODUCTS						
MEAT ANIMALS						
Cattle & Calves.......	926,225	14.0	936,728	15.5	1,149,288	19.8
Hogs..................	721,397	10.9	750,234	12.4	847,960	14.6
Sheep & Lambs.........	16,386	0.2	14,154	0.2	13,878	0.2
DAIRY PRODUCTS.........	1,285,735	19.5	1,238,325	20.5	1,220,157	21.0
POULTRY & EGGS						
Turkeys...............	250,338	3.8	269,325	4.5	228,096	3.9
Broilers..............	38,333	0.6	45,085	0.7	37,913	0.7
Farm Chickens.........	3,053	*	2,707	*	3,049	0.1
Eggs..................	83,123	1.3	91,709	1.5	81,091	1.4
Honey..................	NA	NA	4,986	0.1	7,452	0.1
Miscellaneous Other Livestock & Products 4/	45,787	0.7	54,398	0.9	55,768	1.0
TOTAL LIVESTOCK.....	3,370,377	51.0	3,407,651	56.5	3,644,652	62.7
TOTAL ALL CROPS AND LIVESTOCK...........	6,605,826	100.0	6,029,931	100.0	5,809,265	100.0

1/ 1985 and 1986 are revised; 1987 is preliminary. 2/ Includes Commodity Credit Corporation loans (calculated by crop open market sales plus net CCC loans). 3/ Kentucky bluegrass, red clover, timothy, and other seeds; asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruits, and field crops. 4/ Wool, mink, goats, horses, mules, ducks, geese, honey (1985), beeswax, turkey eggs, and other livestock and poultry. * Less than .05%. NOTE: Percents may not add to totals because of rounding.

MINNESOTA CASH RECEIPTS RECEIVED BY FARMERS, BY COUNTY

DISTRICT AND COUNTY	1986				1987			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousands Dollars				Thousands Dollars			
Becker	20,084	53,950	9,248	83,282	18,130	53,995	10,192	82,317
Clay	89,316	25,083	19,984	134,383	81,803	25,118	23,366	130,287
Clearwater	4,059	17,698	1,127	22,884	2,510	19,128	1,275	22,913
Kittson	46,896	5,387	22,361	74,644	33,460	7,330	20,776	61,566
Mahnomen	14,020	8,796	6,563	29,379	12,256	10,431	7,259	29,946
Marshall	90,073	11,199	35,591	136,863	68,474	12,700	35,961	117,135
Norman	63,630	12,935	22,271	98,836	51,540	14,896	24,565	91,001
Pennington	17,149	7,924	10,066	35,139	12,312	8,407	12,126	32,845
Polk	177,998	28,659	41,376	248,033	142,266	31,642	41,758	215,666
Red Lake	17,355	8,859	7,497	33,711	13,192	10,147	9,673	33,012
Roseau	26,666	22,176	15,950	64,792	21,782	22,582	16,909	61,273
Northwest	567,246	202,666	192,034	961,946	457,725	216,376	203,860	877,961
Beltrami	3,939	12,004	1,142	17,085	3,671	13,613	1,593	18,877
Cass	1,306	14,844	863	17,013	1,227	15,670	1,268	18,165
Hubbard	9,764	8,698	635	19,097	8,182	10,383	1,058	19,623
Itasca	1,202	5,637	160	6,999	1,197	6,696	156	8,049
Koochiching	698	3,954	555	5,207	773	4,459	408	5,640
Lake of the Woods	4,804	2,549	1,812	9,165	4,398	2,854	1,790	9,042
North Central	21,713	47,686	5,167	74,566	19,448	53,675	6,273	79,396
Northeast	2,419	10,609	217	13,245	2,477	12,114	260	14,851
Big Stone	24,444	16,481	8,083	49,008	20,107	17,213	10,630	47,950
Chippewa	52,676	19,954	10,682	83,312	47,394	22,963	15,133	85,490
Douglas	8,243	40,981	4,057	53,281	6,899	43,505	8,030	58,434
Grant	34,825	17,496	9,656	61,977	31,451	19,385	12,329	63,165
Lac Qui Parle	40,257	36,168	15,194	91,619	30,786	41,758	22,069	94,613
Otter Tail	33,161	125,549	14,906	173,616	23,165	135,401	21,851	180,417
Pope	20,485	37,840	9,905	68,230	18,256	42,892	15,770	76,918
Stevens	32,950	34,562	11,697	79,209	26,621	37,573	17,130	81,324
Swift	44,689	29,561	14,818	89,068	36,324	32,033	22,498	90,855
Traverse	41,274	11,139	12,545	64,958	34,901	13,773	11,283	59,957
Wilkin	65,364	8,333	11,859	85,556	58,375	8,983	13,196	80,554
Yellow Medicine	49,187	34,065	15,427	98,679	38,268	35,378	25,478	99,124
West Central	447,555	412,129	138,829	998,513	372,547	450,857	195,397	1,018,801
Benton	5,666	62,788	3,091	71,545	4,513	63,619	4,955	73,087
Carver	9,471	55,615	4,088	69,174	8,031	59,797	6,746	74,574
Kandiyohi	34,049	99,940	13,714	147,703	30,344	97,705	24,351	152,400
Mc Leod	29,716	49,958	6,579	86,253	26,387	51,934	11,379	89,700
Meeker	25,906	73,627	10,488	110,021	23,978	76,416	18,478	118,872
Morrison	8,736	99,314	4,113	112,163	6,946	98,275	6,765	111,986
Renville	98,729	53,185	17,685	169,599	93,547	64,021	29,106	186,674
Scott	10,856	30,049	3,585	44,490	8,248	32,405	5,470	46,123
Sherburne	21,582	25,388	2,627	49,597	18,031	24,075	4,043	46,149
Sibley	42,561	68,937	10,564	122,062	35,584	66,964	17,689	120,237
Stearns	18,531	211,300	11,136	240,967	15,830	218,439	20,491	254,760
Todd	13,185	88,131	4,421	105,737	12,230	91,541	6,125	109,896
Wadena	2,822	29,252	1,761	33,835	2,311	30,565	2,369	35,245
Wright	20,612	62,948	6,725	90,285	16,493	67,249	8,564	92,306
Central	342,422	1,010,432	100,577	1,453,431	302,473	1,043,005	166,531	1,512,009

MINNESOTA CASH RECEIPTS RECEIVED BY FARMERS, BY COUNTY (CONT'D)

DISTRICT AND COUNTY	1986				1987			
	Crops	Livestock 1/	Government Payments	Total	Crops	Livestock 1/	Government Payments	Total
	Thousands Dollars				Thousands Dollars			
Aitkin	2,652	14,558	555	17,765	3,011	14,484	542	18,037
Anoka	12,956	9,379	1,047	23,382	12,155	9,848	1,748	23,751
Chisago	8,557	22,344	2,966	33,867	7,261	23,703	4,467	35,431
Crow Wing	1,977	13,497	728	16,202	1,669	14,149	1,166	16,984
Hennepin	18,953	19,839	1,761	40,553	17,379	20,534	2,514	40,427
Isanti	10,990	18,188	2,903	32,081	7,120	18,357	5,023	30,500
Kanabec	2,134	23,330	1,372	26,836	1,358	25,108	2,602	29,068
Mille Lacs	2,620	28,570	1,731	32,921	1,988	30,485	2,872	35,345
Pine	3,366	33,595	1,959	38,920	3,175	37,395	2,914	43,484
Washington	20,114	12,066	2,223	34,403	17,357	13,368	3,278	34,003
Other Counties	5,367	12,062	261	17,690	5,332	12,649	296	18,277
East Central	89,686	207,428	17,506	314,620	77,805	220,080	27,422	325,307
Cottonwood	55,471	65,821	13,972	135,264	43,732	73,696	22,964	140,392
Jackson	61,035	65,459	16,904	143,398	48,106	78,520	27,276	153,902
Lincoln	16,541	42,646	7,467	66,654	17,147	41,447	17,328	75,922
Lyon	44,377	63,347	14,332	122,056	34,979	68,882	22,493	126,354
Murray	40,350	52,175	13,026	105,551	33,478	58,369	20,240	112,087
Nobles	46,051	86,263	15,133	147,447	43,863	99,818	24,591	168,272
Pipestone	20,315	40,886	7,381	68,582	17,943	40,101	11,359	69,403
Redwood	68,733	70,999	16,980	156,712	55,767	79,190	28,008	162,965
Rock	26,272	64,240	9,972	100,484	21,586	73,181	16,135	110,902
Southwest	379,145	551,836	115,167	1,046,148	316,601	613,204	190,394	1,120,199
Blue Earth	62,346	55,426	15,189	132,961	50,804	62,630	26,680	140,114
Brown	39,775	69,767	10,865	120,407	33,646	78,338	18,190	130,174
Faribault	79,619	52,919	16,907	149,445	60,085	55,576	29,669	145,330
Freeborn	67,421	59,356	20,028	146,805	54,230	63,081	33,976	151,287
Le Sueur	31,575	41,997	7,950	81,522	25,403	46,891	15,859	88,153
Martin	79,157	62,407	20,093	161,657	60,717	74,813	31,287	166,817
Nicollet	32,158	52,425	9,058	93,641	26,913	51,903	15,008	93,824
Rice	22,499	60,827	8,407	91,733	15,921	63,437	16,640	95,998
Steele	34,208	40,101	9,937	84,246	26,966	42,998	18,258	88,222
Waseca	36,931	33,757	12,432	83,120	28,699	37,033	21,088	86,820
Watonwan	40,345	33,842	10,239	84,426	31,297	37,815	17,201	86,313
South Central	526,034	562,824	141,105	1,229,963	414,681	614,515	243,856	1,273,052
Dakota	39,974	37,746	8,162	85,882	32,335	48,498	12,866	93,699
Dodge	36,136	37,400	11,868	85,404	31,144	39,015	16,842	87,001
Fillmore	27,551	100,758	14,502	142,811	19,834	112,466	29,180	161,480
Goodhue	32,771	88,391	11,288	132,450	27,093	93,920	19,435	140,448
Houston	6,804	63,866	5,933	76,603	5,174	68,318	9,522	83,014
Mower	55,555	61,623	16,231	133,409	47,391	68,995	28,151	144,537
Olmsted	20,959	77,192	9,933	108,084	17,547	80,296	21,515	119,358
Wabasha	15,191	59,914	6,604	81,709	11,998	62,904	11,311	86,213
Winona	11,119	81,465	7,229	99,813	8,340	86,127	11,030	105,497
Southeast	246,060	608,355	91,750	946,165	200,856	660,539	159,852	1,021,247
Minnesota	2,622,280	3,613,965	802,352	7,038,597	2,164,613	3,884,365	1,193,845	7,242,823

1/ Includes estimates of inter-farm and intra-state sales of livestock, resulting in larger total cash receipts than shown in USDA estimates on previous page.

SOURCE: BUREAU OF ECONOMIC ANALYSIS,
U.S. DEPARTMENT OF COMMERCE,
WASHINGTON, D.C.

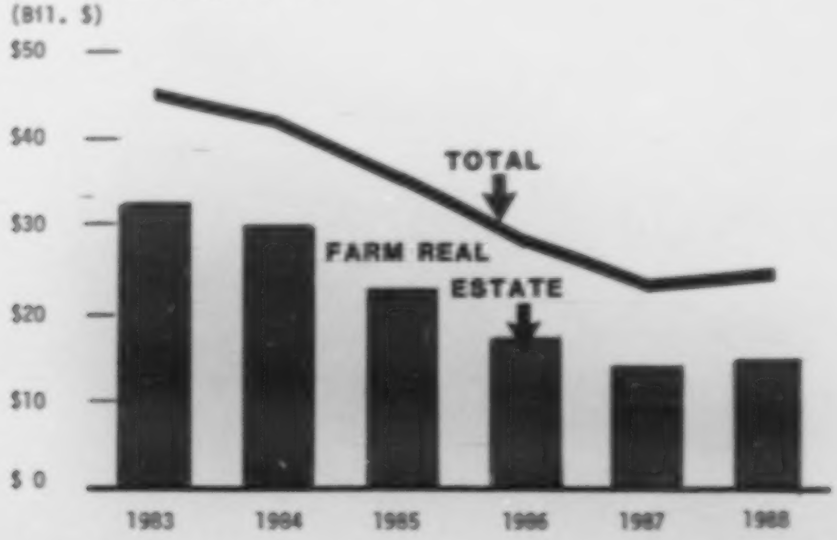
MINNESOTA'S FARM BALANCE SHEET (EXCLUDING FARM HOUSEHOLDS) 1/

Item	1984	1985	1986	1987	1988 2/
			---MILLION DOLLARS---		
Total Farm Assets	42,624.7	35,309.8	28,120.7	23,776.6	25,660.3
Real estate 3/	30,546.9	23,225.7	17,204.6	13,751.6	15,712.4
Livestock & poultry 4/	2,011.1	1,996.4	1,762.7	1,898.6	2,071.3
Machinery & motor vehicles 5/	6,337.1	6,152.0	5,420.1	4,944.0	4,583.4
Crops 6/	1,877.5	2,034.4	1,879.9	1,291.2	1,389.2
Financial assets	1,852.1	1,901.3	1,853.3	1,891.2	1,904.0
Total Farm Debt	10,123.6	10,044.0	9,053.7	7,756.1	6,971.9
Real estate debt 7/	5,542.8	5,438.0	5,042.8	4,511.0	4,029.9
Nonreal estate debt 8/	4,580.8	4,606.0	4,010.9	3,245.1	2,942.0
Equity	32,501.1	25,265.8	19,067.0	16,020.5	18,688.4
			---RATIO---		
Equity/assets	76.2	71.6	67.8	67.4	72.8
Debt/equity	31.1	39.8	47.5	48.4	37.3
Debt/assets, total	23.8	28.4	32.2	32.6	27.2
Debt/assets, real estate	18.1	23.4	29.3	32.8	25.6
Debt/assets, nonreal estate & CCC	37.9	38.1	36.7	32.4	29.6
Returns to operator/total debt 9/	-0.3	10.0	11.6	18.8	26.3

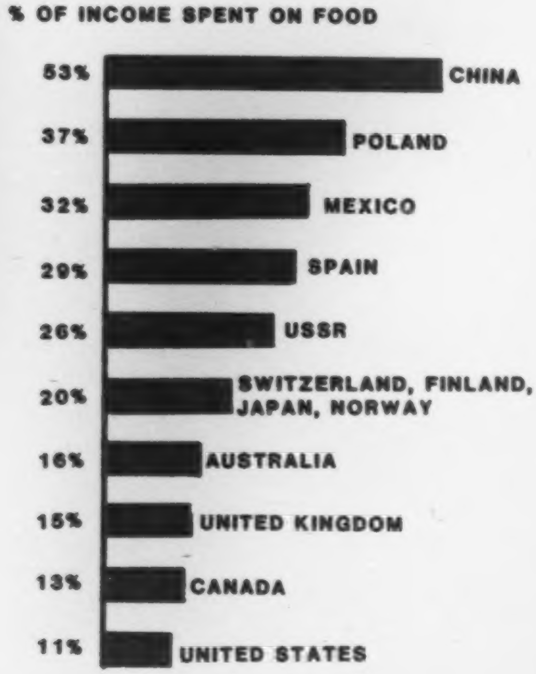
1/ December 31 previous year. 2/ Preliminary. 3/ Excludes value of operator dwelling. 4/ Excludes horses, mules, broilers. 5/ Includes only farm share value for trucks and autos. 6/ All non-CCC crops held on farms including crops plus the value above loan rate for crops held under CCC. 7/ Excludes debt on operator dwellings, but includes CCC storage and drying facility loans. 8/ Excludes debt for nonfarm purposes. 9/ Total debt in this ratio is an average for the year.

MINNESOTA FARM ASSETS

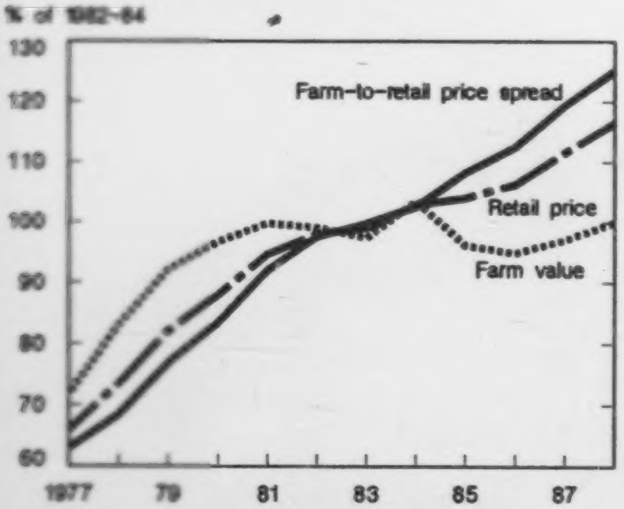
(December 31 previous year)



A WORLD-WIDE VIEW OF CONSUMER EXPENSES FOR FOOD

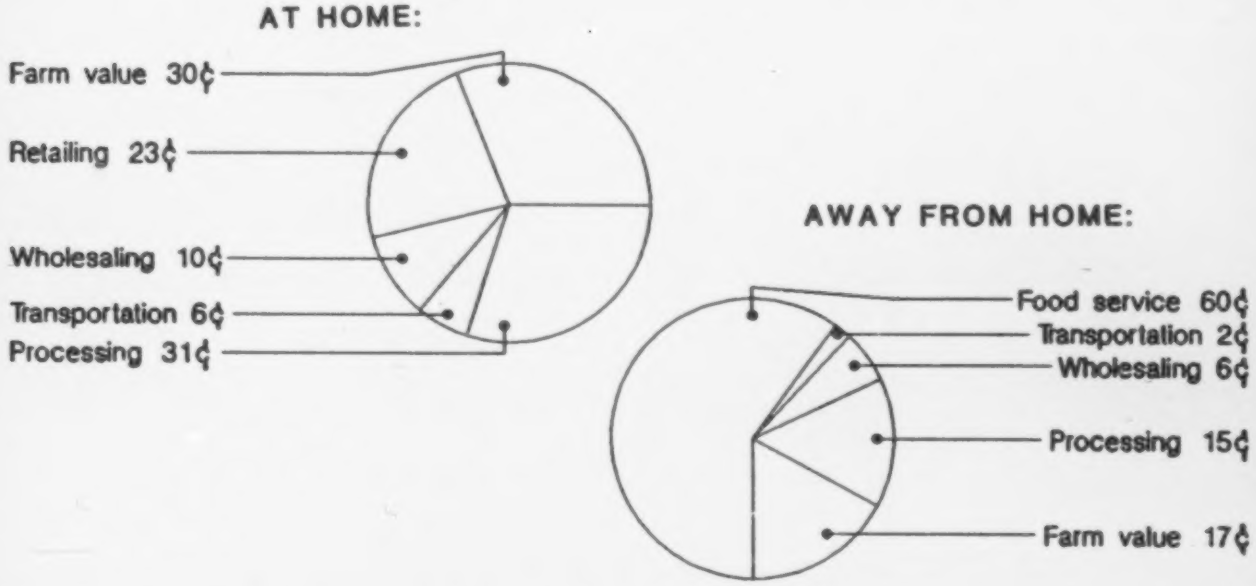


RETAIL PRICE, FARM VALUE, AND PRICE SPREAD FOR FOOD

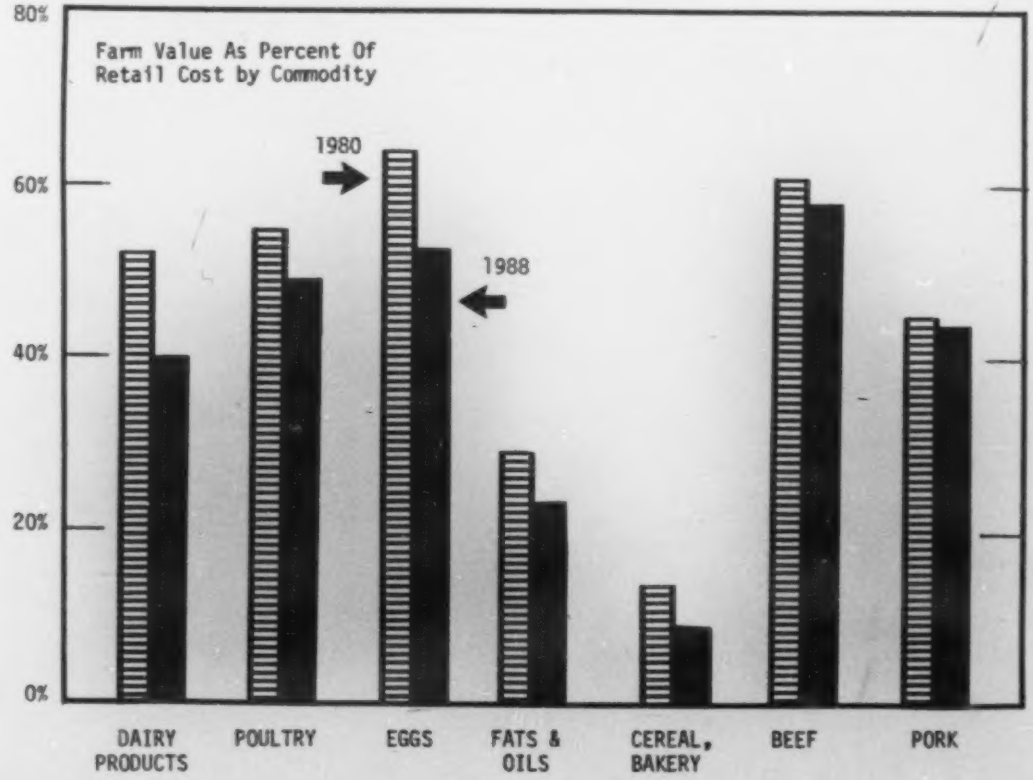


Data is for a market basket of foods sold in retail stores. Retail price is that paid by consumers. Farm value is prices received by farmers for commodities. Price spread represents all charges for processing and distribution.

WHERE THE FOOD DOLLAR GOES AT HOME AND AWAY, 1987



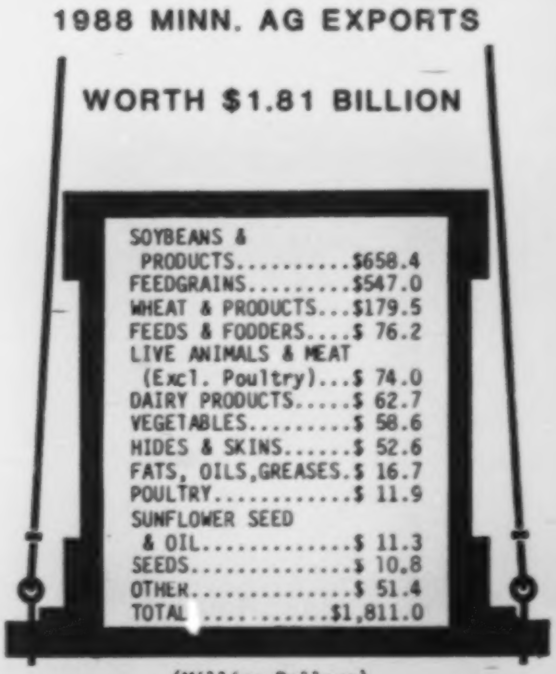
FARMER'S SHARE OF RETAIL FOOD PRICE HAS WEAKENED SINCE 1980



Exports

Based on Minnesota's farm output, the state's ag exports totaled $1.81 billion in fiscal 1988, up 32% from the $1.37 billion in 1987. Exports thus represent over one-fourth of cash farm receipts in 1988.

Shown at the right is the value of farm exports by commodity group. These shares are derived from Minnesota's contribution to U.S. production and/or sales. They are not actual exports but reflect Minnesota's important stake in the national export market.



1988 MINN. AG EXPORTS

WORTH $1.81 BILLION

SOYBEANS & PRODUCTS	$658.4
FEEDGRAINS	$547.0
WHEAT & PRODUCTS	$179.5
FEEDS & FODDERS	$ 76.2
LIVE ANIMALS & MEAT (Excl. Poultry)	$ 74.0
DAIRY PRODUCTS	$ 62.7
VEGETABLES	$ 58.6
HIDES & SKINS	$ 52.6
FATS, OILS, GREASES	$ 16.7
POULTRY	$ 11.9
SUNFLOWER SEED & OIL	$ 11.3
SEEDS	$ 10.8
OTHER	$ 51.4
TOTAL	$1,811.0

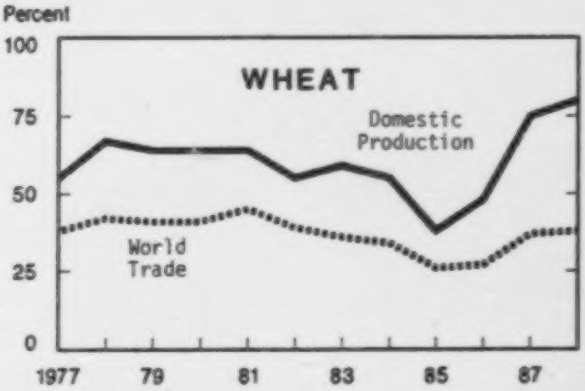
(Million Dollars)

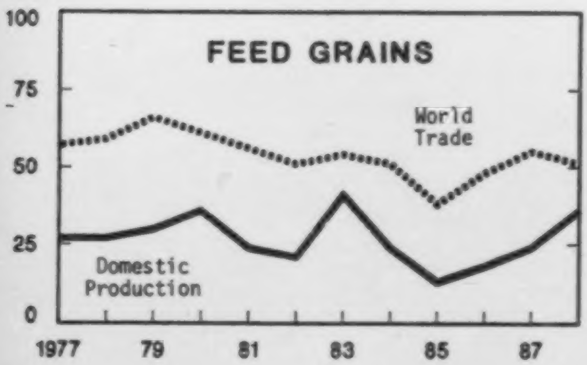
* * *

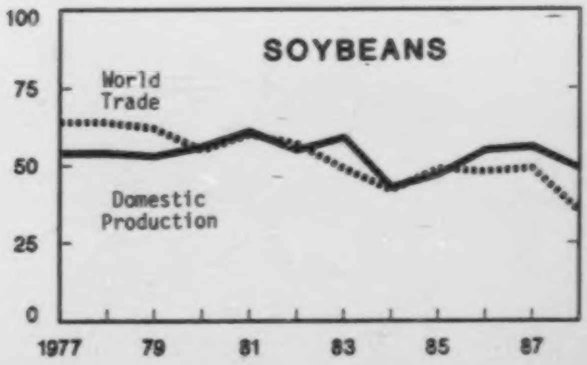
U.S. EXPORTS:

SHARE OF DOMESTIC PRODUCTION

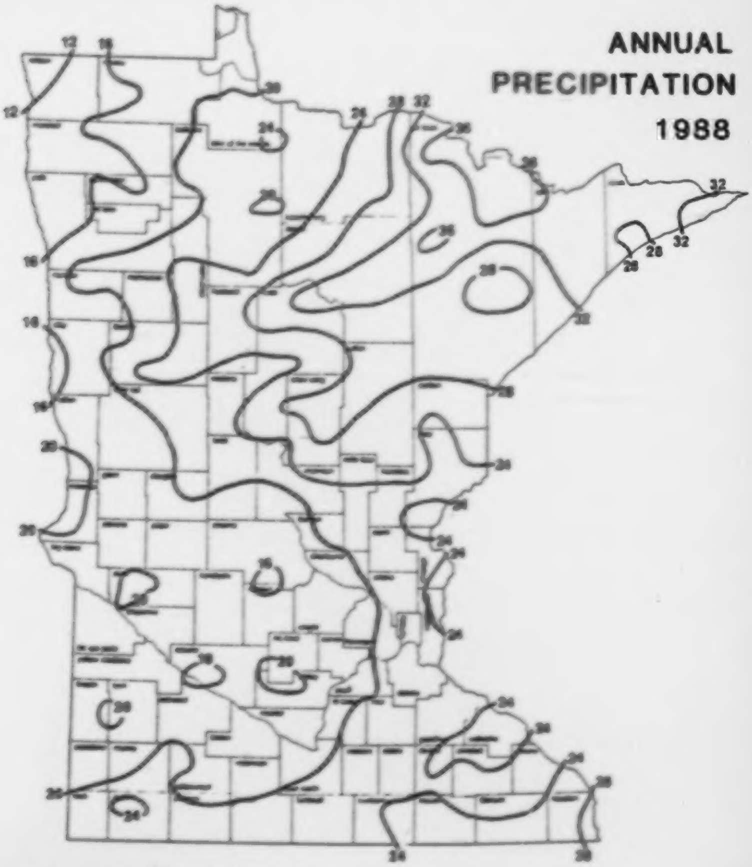
AND WORLD TRADE



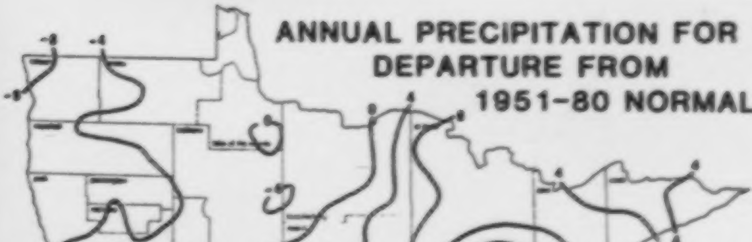




Climatic Summary



ANNUAL PRECIPITATION 1988



ANNUAL PRECIPITATION FOR 1988 DEPARTURE FROM 1951-80 NORMALS

For the second consecutive year, annual precipitation totals over large areas of Minnesota fell below historical averages. With the exception of northeastern Minnesota, most of the state reported precipitation amounts four or more inches below normal. Negative departures of eight or more inches were common in central and south central Minnesota.

For mucn of Minnesota, 1988 brought the worst drought conditions since 1976. In many ways, the drought of 1988 was the worst since 1934. The combined effects of deficient precipitation and abnormally hot temperatures (an all-time record for May through August) caused significant yield reductions and in some cases, total crop failure.

Although bolstered by near-normal fall precipitation, soil moisture reserves remain below typical levels for many of the agricultural producing areas of Minnesota. In these areas, the success or failure of the 1989 cropping season will be highly dependent on growing season precipitation.

Division of Waters, DNR
State Climatology Office

AVERAGE FROST DATES IN MINNESOTA 1/

District and station	County	Average date of last temperature occurrence in spring of:			Average date of first temperature occurrence in fall of:			Number of days between average last spring and first fall occurrence of:		
		24°F	28°F	32°F	32°F	28°F	24°F	32°F	28°F	24°F
Northwest District (1):										
Ada	Norman	APR 29	MAY 9	MAY 23	SEP 20	SEP 30	OCT 8	120	144	162
Argyle	Marshall	MAY 3	MAY 12	MAY 24	SEP 17	SEP 29	OCT 7	116	140	157
Crookston	Polk	APR 29	MAY 9	MAY 22	SEP 21	OCT 1	OCT 11	122	145	165
Detroit Lakes	Becker	APR 28	MAY 8	MAY 20	SEP 22	OCT 3	OCT 14	125	148	169
Fosston	Polk	MAY 1	MAY 10	MAY 24	SEP 16	SEP 30	OCT 9	115	143	161
Hallock	Kittson	MAY 10	MAY 16	MAY 28	SEP 15	SEP 26	OCT 2	110	133	145
Moorhead	Clay	APR 22	MAY 3	MAY 12	SEP 28	OCT 8	OCT 16	139	158	177
Red Lake Falls	Red Lake	MAY 3	MAY 14	MAY 23	SEP 16	SEP 27	OCT 7	116	136	157
Roseau	Roseau	MAY 6	MAY 16	MAY 26	SEP 13	SEP 23	OCT 6	110	130	153
Warroad	Roseau	MAY 3	MAY 12	MAY 24	SEP 19	SEP 30	OCT 9	118	141	159
North Central District (2):										
Baudette	Lake of the Woods	MAY 1	MAY 13	MAY 26	SEP 15	SEP 28	OCT 6	112	138	158
Bemidji	Beltrami	MAY 1	MAY 17	MAY 29	SEP 13	SEP 28	OCT 3	107	134	155
Big Falls	Koochiching	MAY 4	MAY 17	JUN 4	SEP 7	SEP 18	OCT 4	95	124	153
Grand Rapids	Itasca	MAY 6	MAY 17	MAY 30	SEP 9	SEP 23	OCT 3	102	129	150
Park Rapids	Hubbard	MAY 1	MAY 11	MAY 21	SEP 20	OCT 3	OCT 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	MAY 1	MAY 12	MAY 20	SEP 24	OCT 8	OCT 16	127	149	168
Duluth (Airport)	St. Louis	MAY 3	MAY 8	MAY 22	SEP 24	OCT 6	OCT 17	125	151	167
Grand Marais	Cook	APR 25	MAY 11	MAY 23	SEP 29	OCT 13	OCT 25	129	155	183
Meadowlands	St. Louis	MAY 11	MAY 20	JUN 4	AUG 31	SEP 16	OCT 2	68	119	144
Two Harbors	Lake	APR 21	MAY 3	MAY 15	OCT 5	OCT 17	OCT 31	143	167	193
Virginia	St. Louis	MAY 4	MAY 13	MAY 26	SEP 18	SEP 29	OCT 9	115	139	158
West Central District (4):										
Alexandria	Douglas	APR 19	MAY 1	MAY 12	SEP 30	OCT 8	OCT 25	141	160	189
Beardsley	Big Stone	APR 25	MAY 6	MAY 17	SEP 23	OCT 2	OCT 12	129	149	167
Campbell	Wilkin	APR 28	MAY 5	MAY 18	SEP 22	SEP 30	OCT 7	127	148	162
Canby	Yellow Medicine	APR 18	APR 29	MAY 10	OCT 2	OCT 10	OCT 22	145	164	187
Fergus Falls	Otter Tail	APR 23	MAY 2	MAY 13	SEP 25	OCT 6	OCT 18	135	157	178
Montevideo	Lac Qui Parle	APR 16	APR 28	MAY 7	OCT 1	OCT 13	OCT 24	147	168	191
Morris	Stevens	APR 23	MAY 6	MAY 15	SEP 25	OCT 2	OCT 14	133	149	174
Wheaton	Traverse	APR 24	MAY 4	MAY 10	SEP 25	OCT 3	OCT 15	138	152	172
Central District (5):										
Bird Island	Renville	APR 14	APR 27	MAY 9	SEP 30	OCT 10	OCT 22	144	166	191
Little Falls	Morrison	APR 22	APR 30	MAY 10	SEP 26	OCT 7	OCT 18	139	160	180
St. Cloud	Stearns	APR 18	APR 24	MAY 9	SEP 29	OCT 13	OCT 21	143	172	186
Wadena	Wadena	APR 27	MAY 8	MAY 22	SEP 21	SEP 30	OCT 12	122	145	168
Willmar	Kandiyohi	APR 19	APR 28	MAY 8	SEP 29	OCT 7	OCT 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	APR 24	MAY 4	MAY 16	SEP 24	SEP 30	OCT 14	131	149	173
Cambridge	Isanti	APR 20	APR 29	MAY 13	SEP 26	OCT 5	OCT 17	136	169	170
Hinckley	Pine	APR 22	MAY 4	MAY 19	SEP 24	OCT 3	OCT 14	128	152	175
Maple Plain	Hennepin	APR 16	APR 26	MAY 7	OCT 5	OCT 14	OCT 26	151	171	193
Milaca	Mille Lacs	APR 22	MAY 3	MAY 12	SEP 25	OCT 8	OCT 18	136	158	179
Moose Lake	Carlton	APR 30	MAY 15	MAY 24	SEP 13	SEP 27	OCT 13	112	135	166
Mora	Kanabec	APR 22	MAY 5	MAY 14	SEP 26	OCT 2	OCT 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	APR 20	MAY 3	MAY 9	OCT 1	OCT 9	OCT 22	145	159	185
Redwood Falls	Redwood	APR 14	APR 26	MAY 3	OCT 3	OCT 15	OCT 23	153	172	192
Tracy	Lyon	APR 17	APR 30	MAY 8	OCT 6	OCT 15	OCT 23	151	168	179
Worthington	Nobles	APR 15	APR 30	MAY 7	OCT 4	OCT 16	OCT 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	APR 6	APR 20	MAY 3	OCT 6	OCT 21	OCT 28	156	184	205
Fairmont	Martin	APR 11	APR 25	MAY 5	OCT 8	OCT 18	OCT 27	156	176	199
Faribault	Rice	APR 17	APR 27	MAY 6	OCT 5	OCT 17	OCT 25	152	173	191
New Ulm	Brown	APR 19	MAY 1	MAY 13	SEP 27	OCT 6	OCT 21	137	158	185
St. Peter	Nicollet	APR 10	APR 28	MAY 9	SEP 30	OCT 12	OCT 23	144	167	196
Waseca	Waseca	APR 18	APR 28	MAY 9	SEP 29	OCT 10	OCT 23	143	165	188
Winnebago	Faribault	APR 13	APR 28	MAY 5	OCT 6	OCT 18	OCT 27	154	173	197
Southeast District (9):										
Farmington	Dakota	APR 15	APR 25	MAY 9	OCT 1	OCT 10	OCT 22	145	168	190
Grand Meadow	Mower	APR 14	MAY 1	MAY 10	SEP 29	OCT 11	OCT 25	142	163	194
Winona	Winona	APR 2	APR 17	APR 28	OCT 9	OCT 22	NOV 2	164	188	215
Zumbrota	Goodhue	APR 19	MAY 3	MAY 14	SEP 30	OCT 7	OCT 19	139	157	183

1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

All-Time Averages and Extremes

Normal data from observations by National Weather Service at Minneapolis-St. Paul International Airport. Adjusted mean based on observations made by government observers at Fort Snelling 1819-1858 and 1869-1891; St. Paul, 1859-1896; Farmington, 1891-1976. Extremes based on observations made by government observers at Fort Snelling, 1820-1858; Minneapolis 1858-1859; St. Paul, 1859-1891; Minneapolis, 1891-1937; Minneapolis-St. Paul International Airport, 1937-1987. Precipitation data began 1836. Snowfall data began 1859. Other data based on observations at Minneapolis-St. Paul International Airport, mostly 1945-1970.

	§ Mean Temperature	† Mean Precipitation	Mean Snowfall	Warmest Month	Warmest Date	Coldest Month	Coldest Date	Wettest Month	Most Precip. In 24 Hours	Snowiest Month	Most Snow In 24 Hours	Driest Month	Mean % Sunshine	Degree Days	
														Heating	Cooling
January	11.2°	.86"	9.0"	26.7° 1944	59° 24/1846	−6.0° 1875	−41° 21/1888	4.34" 1881	1.21" 24/1967	46.4" 1982	17.2" 22/1982	0 1853	50%	1668	0
February	15.0°	.84"	7.7"	31.5° 1954	64° 26/1896	−2.9° 1936	−40° 14/1838	3.25" 1922	1.90" 24/1930	26.5" 1962	10.5" 10/1909	T 1864	56%	1330	0
March	28.1°	1.43"	9.6"	43.7° 1878	83° 23/1910	3.0° 1843	−32° 1/1962	4.75" 1965	1.90" 31/1843	40.0" 1951	14.7" 31/1985	.02" 1853	57%	1110	0
April	44.3°	2.29"	3.1"	54.8° 1839	95° 21/1980	31.2° 1857	1° 1/1843	5.88" 1986	2.71" 26/1888	21.8" 1984	14.0" 28/1907	.16" 1987	58%	570	0
May	57.5°	3.37"	0.2"	66.4° 1934	106° 31/1934	47.5° 1907	18° 3/1967	10.33" 1906	5.12" 31/1877	3.0" 1935	3.0" 1/1935	.21" 1934	59%	238	36
June	66.2°	4.12"	0	73.5° 1988	104° 27/1934	54.0° 1842	34° 3/1945	11.67" 1874	5.25" 29/1877	0 —	0 —	.02" 1863	63%	41	134
July	71.0°	3.34"	0	78.9° 1936	108° 14/1936	64.6° 1915	41° 5/1842	17.90" 1987	10.00" 23-24/1987	0 —	0 —	.11" 1936	72%	12	263
August	68.5°	3.33"	0	75.8° 1947	103° 15/1936	62.1° 1860	34° 31/1832	9.31" 1977	7.28" 30/1977	0 —	0 —	.20" 1925	68%	16	190
September	59.3°	3.00"	T	68.1° 1851	104° 10/1931	51.3° 1866	26° 22/1848 & 1974 28/1942 30/1939	10.61" 1869	6.10" 23/1841	.7" 1942	1.7" 26/1942	.27" 1882	60%	160	28
October	47.5°	1.88"	0.5"	58.8° 1963	91° 3/1847	35.8° 1925	7° 25/1853	6.42" 1911	2.83" 3/1860	14.0" 1873	13" 27/1873	0 1842	55%	486	7
November	31.2°	1.37"	5.1"	41.8° 1830	77° 1/1933	18.6° 1880	−23° 30/1822	5.75" 1857	2.52" 11/1940	30.4" 1983	16.2" 11/1940	.02" 1939	41%	954	0
December	17.0°	.94"	7.3"	30.8° 1877	63° 2/1982	1.4° 1831	−39° 25/1879	4.27" 1982	1.70" 4/1877	33.2" 1969	12.0" 28/1982	T 1943	40%	1420	0

§ 155 year adjusted *† 135 year*

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SECTION 2

CROPS

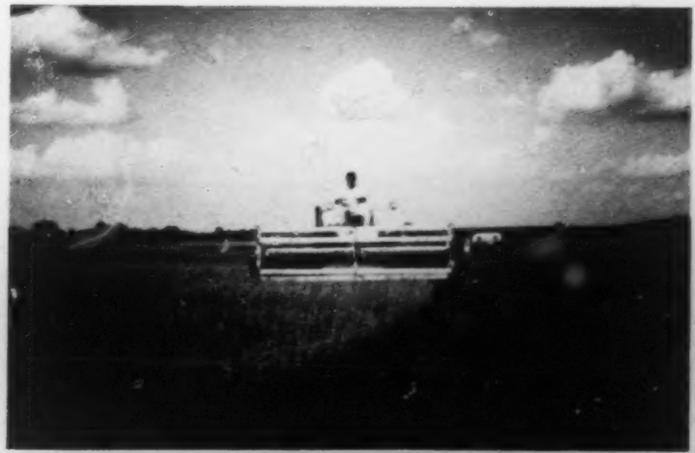


Photo by Janet Wieman

Photo by Janet Wieman

Photo courtesy of Univ. of Mn. Communication Resources

Crop Summary

DROUGHT DEVASTATES MINNESOTA CROPS

The second consecutive open winter over much of Minnesota let the 1988 spring planting season get off to a fast start. By the last week in April, over two-thirds of the small grains were planted and one-fifth of the corn was in the ground. This was about two weeks ahead of normal. Topsoil moisture was short to very short over most of the state.

The normally rainy months of May and June produced almost no moisture. For most of that period, temperatures were considerably above average and reached a high in late June of 110 degrees at Browns Valley. Minnesota wasn't alone. Most of the central part of the country was caught in a severe drought. It did not show signs of breaking until the first week of August when the rains came. The hot temperatures did not let up until late in the month.

Harvest was early as the drought pushed the crops to maturity quickly. Rains in the fall were helpful but much of the state went into the winter with severely deficient subsoil moisture supplies.

Minnesota's 1988 CORN production of 347.8 million bushels was 45% below 1987. The low yield of 74 bushels was down 53 bushels per acre from the record high of 1987. This was the lowest yield since 1976 and was 10 bushels below the dry year of 1983.

SOYBEAN production came in at 124.8 million bushels, down 31% from 1987 and the smallest crop since 1976. Yield at 26 bushels was down 13 from the 1987 record.

ALL WHEAT output at 51.7 million bushels was down 50% from 1987. SPRING WHEAT production at 49.5 million bushels was down 50% for the smallest production since 1972. Yield at 23 bushels per acre was down 18 bushels and the lowest since 1966.

OAT production of 24.8 million bushels was down 46% from 1987 and the smallest crop since 1879. Yield at 33 bushels dropped 24 bushels per acre and was the lowest since 1953.

BARLEY production totaled 27.2 million bushels, down 45% from 1987 and the smallest crop since 1970. Yield at 32 bushels per acre was down 25 bushels from 1987 and the least since 1966.

RYE production at 920,000 bushels dropped 23% from 1987 and was the smallest crop since 1888. Yield at 23 bushels was down 7 bushels from 1987.

FLAX production of 110,000 bushels fell 51% from 1987 for the lowest crop since estimates started in 1889. Yield at 10 bushels per acre was down 6 from 1987.

ALL SUNFLOWER production at 64.1 million pounds was down 50% from 1987 and was the smallest crop since 1966. The average yield was 1,363 pounds per acre, down 92 pounds from 1987.

DRY BEAN output at 480,000 hundredweight was down 59% from 1987 and the lowest production since 1983. Yield was half of the 1987 output, at 800 pounds per acre.

SUGARBEETS production at 4,743,000 tons was down 23% from 1987 and the smallest crop since 1984. Average yield was 14.2 tons per acre, down 5.8 tons from 1987.

THE EFFECTS OF THE 1988
DROUGHT IN MINNESOTA

1988 Crop	Smallest Production Since	Smallest Yield Since
Corn...........	1976	1976
Soybeans.......	1976	1976
Spring Wheat...	1972	1966
Oats...........	1879	1953
Barley.........	1970	1966
Dry Beans......	1983	1975
Alfalfa Hay....	1954	1950
Sugarbeets.....	1984	1976
Rye............	1888	1976

MINNESOTA & U.S. CROP PRODUCTION RECORDS

Crop	Plantings (000 Acres)		Yield Per Acre		Production (000)	
CORN:						
Minnesota	7,700	1981	127.0 Bu.	1987	744,700 Bu.	1981
United States	113,024	1932	119.4 Bu.	1987	8,876,706 Bu.	1985
SOYBEANS:						
Minnesota	5,300	1984	39.0 Bu.	1987	181,350 Bu.	1987
United States	71,411	1979	34.1 Bu.	1985	2,260,665 Bu.	1979
ALL WHEAT:						
Minnesota	6,375 1/	1899	53.1 Bu.	1985	142,426 Bu.	1985
United States	88,251	1981	39.4 Bu.	1983	2,785,357 Bu.	1981
BARLEY:						
Minnesota	2,380	1935	66.0 Bu.	1985	70,950 Bu.	1985
United States	19,686	1942	57.2 Bu.	1982	610,522 Bu.	1986
OATS:						
Minnesota	5,466	1945	70.0 Bu.	1985	242,640 Bu.	1945
United States	47,494	1955	63.7 Bu.	1985	1,523,851 Bu.	1945
ALL HAY:						
Minnesota	4,721 1/	1941	3.39 Tons	1986	9,675 Tons	1986
United States	77,639 1/	1944	2.50 Tons	1982	155,529 Tons	1986
FLAX:						
Minnesota	1,758	1943	19.0 Bu.	1985	19,102 Bu.	1948
United States	6,182	1943	16.9 Bu.	1986	54,803 Bu.	1948
RYE:						
Minnesota	665	1937	38.0 Bu.	1984	23,522 Bu.	1922
United States	7,235	1937	33.1 Bu.	1984	125,144 Bu.	1918
SUGARBEETS:						
Minnesota	315	1986	20.0 Tons	1987	6,200 Tons	1987
United States	1,647	1969	22.4 Tons	1981, 1987	29,704 Tons	1975
ALL SUNFLOWERS:						
Minnesota	1,400	1979	1,558 Lbs.	1977	1,870,620 Lbs.	1979
United States	5,555	1979	1,469 Lbs.	1987	7,296,110 Lbs.	1979

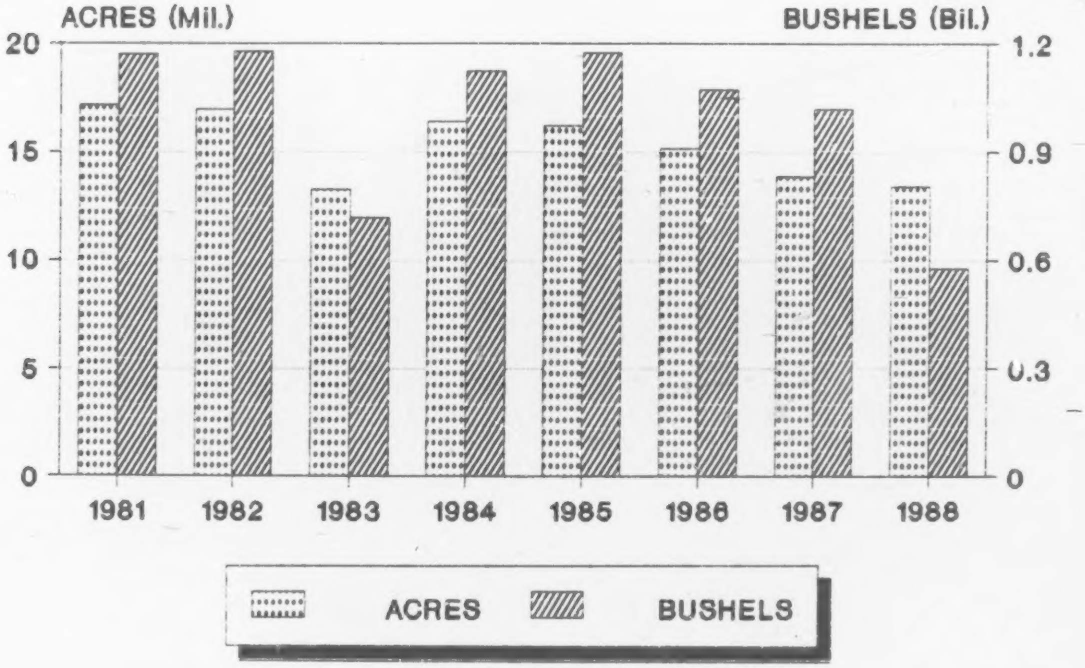
1/ Harvested acres.

MINNESOTA STOCKS & CROPS PRICE RECORDS

Crop	Farm Stocks (000)	Off-Farm Stocks (000)	High Monthly Price	Low Monthly Price
Corn	820,000 Bu. Dec. 1, 1986	259,100 Bu. Dec. 1, 1987	$3.34 Bu. October 1974	$0.13 Bu. February 1933
Soybeans	125,000 Bu. Dec. 1, 1986	102,329 Bu. Dec. 1, 1986	$10.00 Bu. June 1973	$0.65 Bu. August 1939
All Wheat	175,000 Bu. Sep. 1, 1986	101,732 Bu. Sep. 1, 1986	$5.38 Bu. February 1974	$0.33 Bu. December 1932
Barley	88,688 Bu. Oct. 1, 1985	45,258 Bu. Sept. 1, 1988	$3.82 Bu. November 1974	$0.16 Bu. Feb.,March 1933
Oats	208,670 Bu. Oct. 1, 1945	78,566 Bu. Oct. 1, 1971	$2.93 Bu. July 1988	$0.10 Bu. October 1932
Flax	6,695 Bu. Oct. 1, 1950	21,538 Bu. Oct. 1, 1949	$10.80 Bu. March, Aug.1974	$0.82 Bu. August 1932
Rye	4,356 Bu. Dec. 1, 1940	12,720 Bu. Oct. 1, 1972	$2.93 Bu.1/ 1981	$0.19 Bu. December 1932

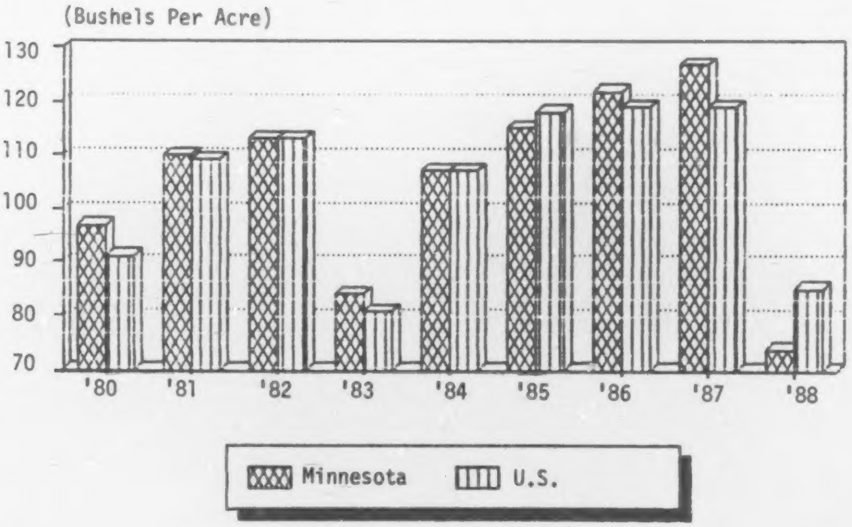
1/ Highest annual price since monthly prices were discontinued in June 1976.

MINNESOTA MAJOR CROPS: HARVESTED ACRES AND PRODUCTION



*Corn, oats, barley, all wheat, soybeans.

CORN YIELDS: MINNESOTA & UNITED STATES 1980-88



MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value of Production
			CORN FOR GRAIN			
	1,000 Acres 2/	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	7,250	6,440	107.0	689,080	2.47	1,688,246
1985	7,300	6,300	115.0	724,500	2.05	1,485,225
1986	6,400	5,800	122.0	707,600	1.46	1,033,096
1987	5,500	5,000	127.0	635,000	1.98	1,257,300
1988	5,700	4,700	74.0	347,800	2.40	886,890
			CORN FOR SILAGE			
		1,000 Acres	Tons	1,000 Tons		
1984	-----	700	12.0	8,400	----	-----
1985	-----	750	12.5	9,375	----	-----
1986	-----	450	13.5	6,075	----	-----
1987	-----	430	13.5	5,805	----	-----
1988	-----	850	6.2	5,270	----	-----
			SOYBEANS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	5,300	5,240	33.0	172,920	5.60	938,956
1985	5,100	5,000	32.0	160,000	4.98	796,800
1986	4,750	4,650	35.0	162,750	4.72	768,180
1987	4,700	4,650	39.0	181,350	6.10	1,106,235
1988	4,900	4,800	26.0	124,800	7.35	960,960
			OATS			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	1,500	1,200	65.0	78,000	1.60	124,800
1985	1,550	1,100	70.0	77,000	1.17	90,090
1986	1,600	850	51.0	43,350	1.28	55,488
1987	2,100	800	57.0	45,600	1.62	73,872
1988	1,700	750	33.0	24,750	2.70	68,063
			BARLEY			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	1,050	950	65.0	61,750	2.08	127,205
1985	1,200	1,075	66.0	70,950	1.69	119,906
1986	1,200	1,000	55.0	55,000	1.47	80,850
1987	1,200	870	57.0	49,590	1.74	86,287
1988	1,250	850	32.0	27,200	2.80	77,520
			RYE			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	200	175	38.0	6,650	1.94	12,901
1985	145	110	30.0	3,300	1.74	5,742
1986	100	50	32.0	1,600	1.46	2,336
1987	75	40	30.0	1,200	1.47	1,764
1988	75	40	23.0	920	2.00	1,794

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings during specific periods. Marketing year periods, by crop, are July-June for oats, barley, rye; October-September for corn; September-August for soybeans. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments. 1988 prices are preliminary.

2/ Acreage planted to corn is for "all purposes."

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
			ALL WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	2,635	2,553	47.3	120,711	3.42	411,688
1985	2,835	2,683	53.1	142,426	3.00	427,571
1986	2,965	2,814	36.8	103,666	2.43	251,674
1987	2,580	2,519	40.7	102,588	2.57	263,360
1988	2,520	2,250	23.0	51,730	3.81	189,691
			SPRING WHEAT (OTHER THAN DURUM)			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	2,200	2,160	48.0	103,680	3.42	354,586
1985	2,450	2,370	55.0	130,350	3.02	393,657
1986	2,750	2,650	37.0	98,050	2.43	238,262
1987	2,450	2,400	41.0	98,400	2.56	251,904
1988	2,400	2,150	23.0	49,450	3.80	180,493
			DURUM WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	35	33	47.0	1,551	3.68	5,708
1985	35	33	52.0	1,716	3.10	5,320
1986	35	34	39.0	1,326	2.90	3,845
1987	30	29	42.0	1,218	3.48	4,239
1988	45	40	21.0	840	4.50	4,158
			WINTER WHEAT			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	400	360	43.0	15,480	3.32	51,394
1985	350	280	37.0	10,360	2.76	28,594
1986	180	130	33.0	4,290	2.23	9,567
1987	100	90	33.0	2,970	2.43	7,217
1988	75	60	24.0	1,440	3.70	5,040
			FLAXSEED			
	1,000 Acres	1,000 Acres	Bushels	1,000 Bushels	Dols. Per Bu.	1,000 Dols.
1984	50	45	14.5	653	5.95	3,885
1985	60	50	19.0	950	4.95	4,703
1986	35	34	16.0	544	3.39	1,844
1987	15	14	16.0	224	3.43	768
1988	15	11	10.0	110	7.90	864
			SUGARBEETS			
	Acres	Acres	Tons	Tons	Dols. Per Ton 2/	1,000 Dols.
1984	268,000	263,000	16.5	4,340,000	35.40	153,636
1985	278,000	276,000	18.4	5,088,000	36.00	183,168
1986	315,000	311,000	16.7	5,194,000	39.20	203,605
1987	311,000	310,000	20.0	6,200,000	43.80	271,560
1988	339,000	334,000	14.2	4,743,000	NA	NA

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings during specific periods. These marketing year periods are July-June for wheat and flaxseed. The sugarbeet price relates to prices received by producers during the harvest period. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments. 1988 prices are preliminary.

2/ Excludes Sugar Act payments.

NA = Not Available.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value Of Production
ALL SUNFLOWERS						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1984	264	251	1,247	313,100	11.40	35,738
1985	245	219	903	197,780	8.24	16,296
1986	155	150	1,508	226,200	7.11	16,082
1987	90	88	1,455	128,050	8.38	10,727
1988	58	47	1,363	64,050	13.20	8,235
OIL SUNFLOWERS						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1984	250	238	1,250	297,500	11.20	33,320
1985	220	196	880	172,480	7.60	13,108
1986	130	126	1,500	189,000	6.71	12,682
1987	80	79	1,450	114,550	8.19	9,382
1988	45	35	1,350	47,250	11.20	5,245
NON-OIL SUNFLOWERS						
	1,000 Acres	1,000 Acres	Pounds	1,000 Lbs.	Dols. Per Cwt.	1,000 Dols.
1984	14	13	1,200	15,600	15.50	2,418
1985	25	23	1,100	25,300	12.60	3,188
1986	25	24	1,550	37,200	9.14	3,400
1987	10	9	1,500	13,500	9.96	1,345
1988	13	12	1,400	16,800	18.70	2,990
ALL HAY						
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1984	-----	2,800	3.01	8,440	53.00	447,320
1985	-----	2,725	2.94	8,003	67.00	536,201
1986	-----	2,850	3.39	9,675	52.50	507,938
1987	-----	2,625	2.97	7,800	63.50	495,300
1988	-----	4,000	1.74	6,960	100.00	629,880
ALFALFA HAY						
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1984	-----	1,900	3.40	6,460	-----	-------
1985	-----	1,825	3.30	6,023	-----	-------
1986	-----	1,950	3.90	7,605	-----	-------
1987	-----	1,700	3.50	5,950	-----	-------
1988	-----	2,400	1.90	4,560	-----	-------
ALL OTHER HAY						
		1,000 Acres	Tons	1,000 Tons	Dols. Per Ton	1,000 Dols.
1984	-----	900	2.20	1,980	-----	-------
1985	-----	900	2.20	1,980	-----	-------
1986	-----	900	2.30	2,070	-----	-------
1987	-----	925	2.00	1,850	-----	-------
1988	-----	1,600	1.50	2,400	-----	-------

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings during specific periods. Marketing year periods, by crop, are September-August for sunflowers and June-May for all hay. 1988 prices are preliminary.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Marketing Year Average Price 1/	Farm Value of Production
			ALL POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1984	83,300	78,500	197	15,455	5.10	78,519
1985	85,200	75,500	211	15,933	2.95	46,824
1986	78,300	76,200	201	15,293	4.50	68,282
1987	78,500	77,400	236	18,250	3.25	59,264
1988	75,900	74,700	181	13,557	6.85	92,866
			FALL POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1984	77,100	72,500	190	13,775	4.70	64,743
1985	78,500	69,000	205	14,145	2.95	41,728
1986	72,000	70,000	195	13,650	4.25	58,013
1987	72,000	71,000	230	16,330	3.20	52,256
1988	70,000	69,000	175	12,075	NA	NA
			SUMMER POTATOES			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1984	6,200	6,000	280	1,680	8.20	13,776
1985	6,700	6,500	275	1,788	2.85	5,096
1986	6,300	6,200	265	1,643	6.25	10,269
1987	6,500	6,400	300	1,920	3.65	7,008
1988	5,900	5,700	260	1,482	NA	NA
			DRY EDIBLE BEANS			
	Acres	Acres	Pounds	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1984	52,000	50,000	1,400	700	19.20	13,440
1985	68,000	62,000	1,400	868	14.60	12,673
1986	65,000	61,000	1,650	1,007	22.10	22,255
1987	75,000	74,000	1,600	1,184	15.90	18,826
1988	65,000	60,000	800	480	32.30	15,696

1/ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings during specific periods. The marketing year periods, by crop, are July-June for potatoes and September-August for dry beans. 1988 prices are preliminary.
NA = Not Available.

MINNESOTA ACREAGE, YIELD, PRODUCTION, PRICE, AND VALUE (CONTINUED)

Crop Year	Acreage Planted	Acreage Harvested	Yield Per Harvested Acre	Production	Average Price 1/	Farm Value Of Production
			SWEET CORN FOR PROCESSING			
	Acres	Acres	Tons 2/	Tons 2/	Dols. Per Ton 3/	1,000 Dols.
1984	120,100	115,000	5.82	669,300	61.40	41,095
1985	124,400	118,300	5.77	682,590	59.50	40,614
1986	125,400	123,500	5.95	734,830	53.80	39,534
1987	130,600	112,200	6.50	729,300	56.10	40,914
1988	128,700	125,700	4.38	550,570	56.10	30,887
			GREEN PEAS FOR PROCESSING			
	Acres	Acres	Tons 4/	Tons 4/	Dols. Per Ton 3/	1,000 Dols.
1984	78,300	74,200	1.38	102,400	243.00	24,883
1985	83,900	81,500	1.58	128,770	240.00	30,905
1986	77,300	72,700	1.30	94,510	232.00	21,926
1987	82,000	76,300	1.37	104,530	214.00	22,369
1988	76,400	75,400	.68	51,270	268.00	13,740
			ONIONS			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols. 5/
1984	900	650	240	156	5.95	815
1985	800	670	290	194	5.28	866
1986	700	650	320	208	11.50	2,151
1987	730	650	300	195	10.50	1,838
1988	730	600	210	126	10.40	1,144
			CARROTS FOR FRESH MARKET & PROCESSING			
	Acres	Acres	Cwt.	1,000 Cwt.	Dols. Per Cwt.	1,000 Dols.
1984	1,600	1,300	330	429	5.75	2,467
1985	1,500	1,200	380	456	6.45	2,940
1986	1,400	1,200	400	480	7.03	3,374
1987	1,600	1,500	360	540	5.91	3,190
1988	1,700	1,400	175	245	9.37	2,296
			COMMERCIAL APPLES			
Crop Year	Acreage Planted	Acreage Harvested	Utilized Production		Average Price	Farm Value Of Utilized Production
			Mil.Lbs.		Cents Per Lb.	1,000 Dols.
1984	---	---	15.0		23.5	3,518
1985	---	---	21.0		22.0	4,612
1986	---	---	18.0		30.5	5,484
1987	---	---	23.0		23.0	5,299
1988	---	---	13.0		28.9	3,757

1/ Average price relates to prices received by the producer during the harvest period. 1988 prices are preliminary. 2/ In husk. 3/ Price includes delivery costs to the warehouse door. 4/ Shelled. 5/ Includes some quantities not marketed and excluded in computing value.

MINNESOTA CROP MARKETINGS: PERCENT BY MONTHS

CORN

Crop Marketing Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1984-1985	9	15	6	6	7	7	8	8	9	12	7	6
1985-1986	8	21	12	10	4	4	7	8	9	5	5	7
1986-1987	4	10	7	8	7	11	8	10	9	9	12	5
1987-1988	10	7	3	7	9	7	6	8	11	12	11	9

SOYBEANS

Crop Marketing Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1984-1985	5	13	10	7	8	6	8	9	7	11	10	6
1985-1986	4	10	11	7	8	6	10	8	9	11	10	6
1986-1987	4	19	9	6	10	7	5	7	9	7	10	7
1987-1988	11	17	6	5	8	6	8	8	8	11	7	5

ALL WHEAT

Crop Marketing Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1984-1985	7	18	10	6	6	6	5	7	8	10	8	9
1985-1986	9	17	10	5	6	5	7	5	7	9	9	11
1986-1987	6	11	8	8	4	5	8	7	5	7	15	16
1987-1988	16	16	5	5	8	7	5	7	5	7	10	9

OATS

1984-1985	16	27	4	3	2	5	3	9	11	6	7	7
1985-1986	23	19	6	4	5	4	6	6	9	6	5	7
1986-1987	15	12	6	4	9	11	12	6	4	4	12	5
1987-1988	27	14	6	3	9	4	4	4	7	5	6	11

BARLEY

1984-1985	16	8	11	6	6	5	8	8	8	5	8	11
1985-1986	12	15	4	5	4	4	8	3	6	5	16	16
1986-1987	9	7	5	4	6	10	6	7	9	7	14	16
1987-1988	12	9	3	4	8	8	3	5	9	6	13	20

FLAX

1984-1985	-	9	22	42	4	4	-	8	1	6	2	2
1985-1986	1	2	12	29	13	1	8	19	4	5	4	2
1986-1987	2	2	12	50	10	6	2	2	1	2	2	9
1987-1988	8	7	16	35	2	5	3	3	6	2	8	5

ALL HAY

Crop Marketing Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1984-1985	4	7	4	5	3	3	12	20	11	10	14	7
1985-1986	5	8	4	5	4	12	10	11	7	14	13	7
1986-1987	13	7	5	5	3	5	9	13	11	12	11	6
1987-1988	7	4	5	5	4	8	9	8	14	17	11	8

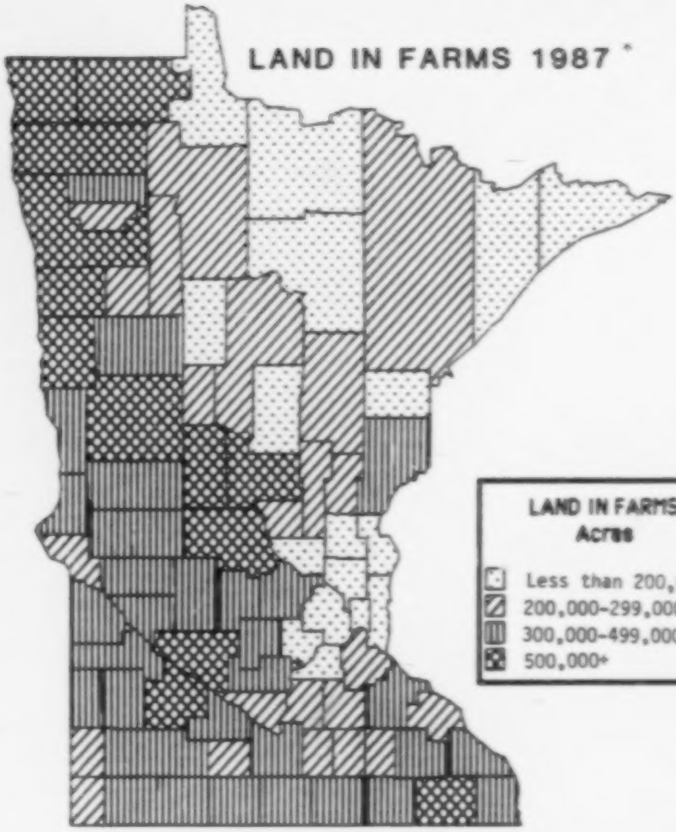
MINNESOTA GRAIN AND HAY STOCKS

Year	-- On Farms --				-- All Storage Positions --			
	March	June	Sept.	Dec.	March	June	Sept.	Dec.
	-- 1,000 Bushels --				-- 1,000 Bushels --			
CORN								
1985	365,212	303,195	124,034	652,050	441,552	357,297	196,266	794,652
1986	507,150	420,210	290,000	820,000	624,284	534,284	420,008	1,027,267
1987	700,000	525,000	375,000	770,000	913,230	710,877	554,228	1,029,100
1988	620,000	530,000	390,000	610,000	852,641	726,063	571,073	784,291
1989	465,000				618,858			
SOYBEANS								
1985	74,356	60,522	27,667	123,200	112,071	87,804	56,926	196,427
1986	94,400	68,800	29,500	125,000	156,673	125,371	89,984	227,329
1987	105,000	60,000	26,000	120,000	204,577	146,193	86,178	208,181
1988	95,000	65,000	23,000	75,000	163,217	106,559	46,508	124,544
1989	60,000				93,657			
ALL WHEAT								
1985	73,634	62,770	162,366	150,972	114,817	100,087	236,891	221,155
1986	125,335	113,941	175,000	156,000	200,767	187,538	276,732	241,262
1987	130,000	92,000	145,000	125,000	221,733	172,952	239,731	203,951
1988	105,000	85,000	100,000	85,000	177,212	127,584	160,879	134,138
1989	70,000				114,633			
OATS								
1985	31,200	21,840	61,600	47,740	37,091	26,203	74,738	55,664
1986		23,100				27,381		
1987		12,500				18,003		
1988		10,000				17,293		
BARLEY								
1985	41,373	38,285	88,688	85,140	62,882	54,615	111,964	112,240
1986		49,665				75,852		
1987		50,000				80,238		
1988		40,000	45,000	30,000		68,648	90,258	72,725
1989	20,000				57,613			

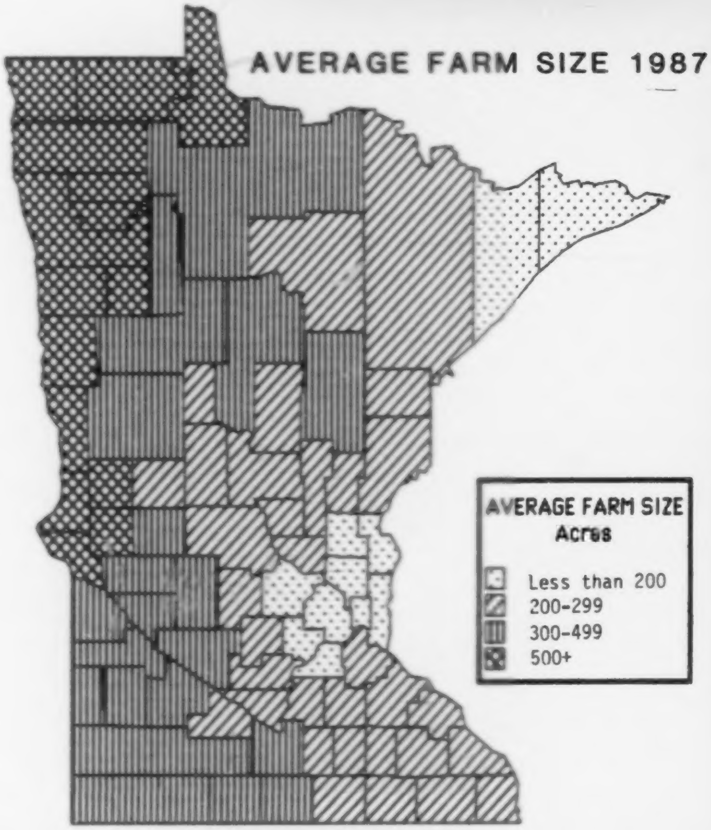
ALL HAY

Year	▨	May	▨	Dec.	
	1,000 Tons				
1985		1,435		5,908	OFF-FARM HAY STOCKS NOT ESTIMATED
1986		1,280		6,773	
1987		1,548		5,850	
1988		1,482		4,594	
1989		626			

Note: All estimates are for the first of the month. In 1987, April estimates were changed to March. In 1986, October estimates were changed to September and January estimates were changed to December. Barley and oat estimates were limited to June only in 1986 but quarterly barley estimates were reinstated in September 1988.

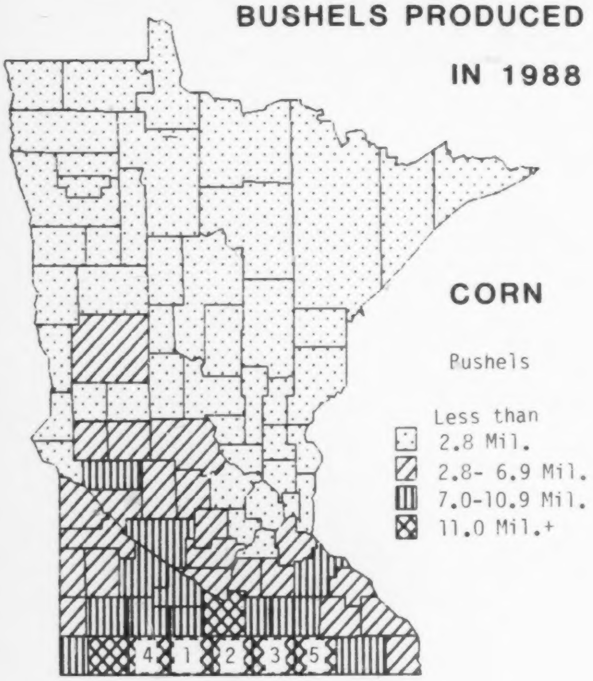

LAND IN FARMS 1987 *
LAND IN FARMS
Acres
Less than 200,000
200,000-299,000
300,000-499,000
500,000+

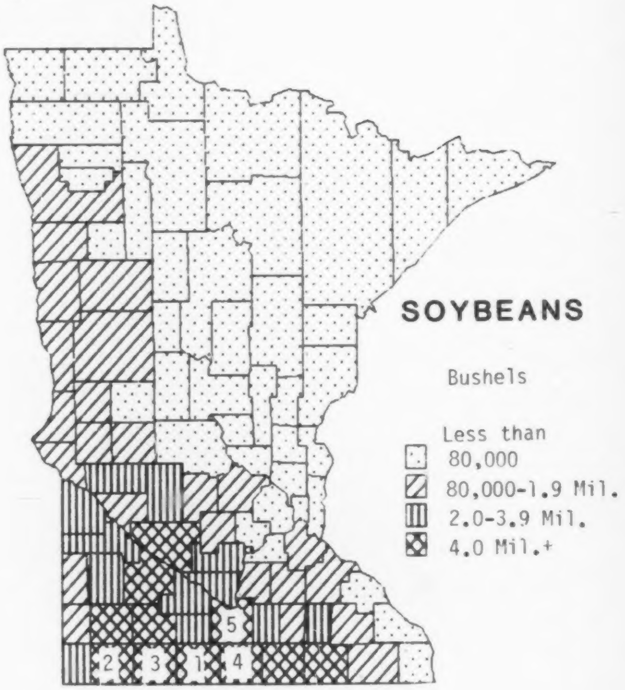
*Based on data from the 1987 U.S. Census of Agriculture, U.S. Department of Commerce.

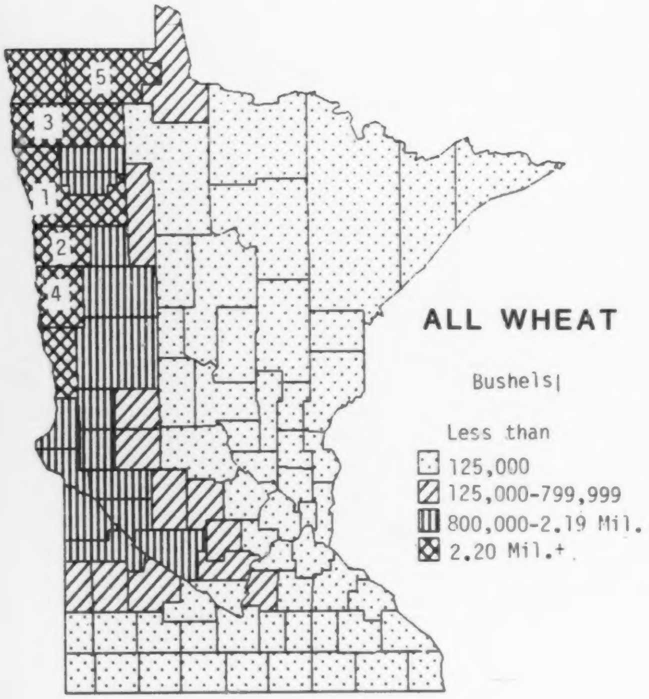

AVERAGE FARM SIZE 1987 *
AVERAGE FARM SIZE
Acres
Less than 200
200-299
300-499
500+

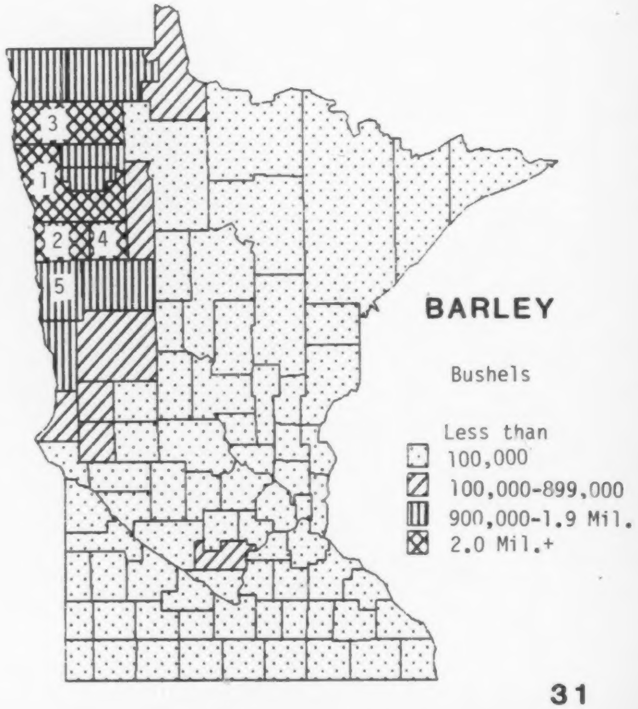
Geographic Distribution of Major Minnesota Crops in 1988

BUSHELS PRODUCED IN 1988


CORN
Bushels
Less than
⬚ 2.8 Mil.
▨ 2.8- 6.9 Mil.
▥ 7.0-10.9 Mil.
⊠ 11.0 Mil.+
4
1
2
3
5


SOYBEANS
Bushels
Less than
⬚ 80,000
▨ 80,000-1.9 Mil.
▥ 2.0-3.9 Mil.
⊠ 4.0 Mil.+
5
2
3
1
4


ALL WHEAT
Bushels
Less than
⬚ 125,000
▨ 125,000-799,999
▥ 800,000-2.19 Mil.
⊠ 2.20 Mil.+
5
3
1
2
4


BARLEY
Bushels
Less than
⬚ 100,000
▨ 100,000-899,000
▥ 900,000-1.9 Mil.
⊠ 2.0 Mil.+
3
1
2
4
5

MINNESOTA FARM NUMBERS, AVERAGE FARM SIZE, AND TOTAL LAND IN FARMS, 1982 AND 1987

DISTRICT AND COUNTY	NUMBER OF FARMS		AVERAGE FARM SIZE		TOTAL LAND LAND IN FARMS	
	1982	1987	1982	1987	1982	1987
	NUMBER		ACRES		ACRES	
Becker	1,435	1,300	327	358	469,000	465,000
Clay	1,195	1,085	541	585	646,000	635,000
Clearwater	770	720	329	368	253,000	265,000
Kittson	705	630	817	908	576,000	572,000
Mahnomen	470	425	526	576	247,000	245,000
Marshall	1,640	1,435	580	659	951,000	945,000
Norman	940	810	570	658	536,000	533,000
Pennington	725	640	494	553	358,000	354,000
Polk	2,015	1,740	594	684	1,196,000	1,190,000
Red Lake	520	450	496	567	258,000	255,000
Roseau	1,385	1,225	495	555	685,000	680,000
Northwest	11,800	10,460	523	587	6,175,000	6,139,000
Beltrami	805	760	345	362	278,000	275,000
Cass	695	680	327	325	227,000	221,000
Hubbard	515	480	299	312	154,000	150,000
Itasca	570	545	258	275	147,000	150,000
Koochiching	315	275	368	407	116,000	112,000
Lake of the Woods	295	250	478	560	141,000	140,000
North Central	3,195	2,990	333	351	1,063,000	1,048,000
Cook	35	20	86	100	3,000	2,000
Lake	80	60	138	117	11,000	7,000
St. Louis	1,075	980	208	224	224,000	220,000
Northeast	1,190	1,060	200	216	238,000	229,000
Big Stone	580	530	469	509	272,000	270,000
Chippewa	1,060	915	331	379	351,000	347,000
Douglas	1,355	1,195	238	268	323,000	320,000
Grant	675	600	477	532	322,000	319,000
Lac Qui Parle	1,150	1,040	383	421	441,000	438,000
Otter Tail	3,380	3,090	294	320	995,000	990,000
Pope	1,060	995	327	347	347,000	345,000
Stevens	730	660	459	503	335,000	332,000
Swift	1,070	955	401	446	429,000	426,000
Traverse	560	495	609	683	341,000	338,000
Wilkin	645	560	718	821	463,000	460,000
Yellow Medicine	1,295	1,135	360	408	466,000	463,000
West Central	13,560	12,170	375	415	5,085,000	5,048,000
Benton	1,155	1,030	195	214	225,000	220,000
Carver	1,240	1,115	161	174	200,000	194,000
Kandiyohi	1,655	1,395	277	326	459,000	455,000
Mc Leod	1,670	1,450	183	207	306,000	300,000
Meeker	1,480	1,285	245	279	362,000	358,000
Morrison	2,195	2,015	235	254	516,000	511,000
Renville	1,885	1,630	325	374	613,000	610,000
Scott	1,160	1,020	156	172	181,000	175,000
Sherburne	750	660	216	239	162,000	158,000
Sibley	1,580	1,380	233	264	368,000	365,000
Stearns	3,590	3,325	218	234	783,000	778,000
Todd	2,255	2,060	228	249	515,000	512,000
Wadena	805	730	275	297	221,000	217,000
Wright	2,230	1,990	155	169	345,000	336,000
Central	23,650	21,085	222	246	5,256,000	5,189,000

MINNESOTA FARM NUMBERS, AVERAGE FARM SIZE, AND TOTAL LAND IN FARMS, 1982 AND 1987 (CONT'D)

DISTRICT AND COUNTY	NUMBER OF FARMS		AVERAGE FARM SIZE		TOTAL LAND LAND IN FARMS	
	1982	1987	1982	1987	1982	1987
	NUMBER		ACRES		ACRES	
Aitkin	780	695	279	308	218,000	214,000
Anoka	775	660	146	127	113,000	84,000
Carlton	755	690	230	246	174,000	170,000
Chisago	1,175	1,005	157	179	185,000	180,000
Crow Wing	655	610	256	269	168,000	164,000
Hennepin	1,140	970	107	106	122,000	103,000
Isanti	1,010	890	167	185	169,000	165,000
Kanabec	860	800	249	264	214,000	211,000
Mille Lacs	1,080	930	188	215	203,000	200,000
Pine	1,375	1,200	249	283	343,000	340,000
Ramsey	140	95	43	32	6,000	3,000
Washington	920	810	162	153	149,000	124,000
East Central	10,665	9,355	194	209	2,064,000	1,958,000
Cottonwood	1,215	1,070	325	364	395,000	390,000
Jackson	1,380	1,195	312	356	430,000	425,000
Lincoln	955	830	334	380	319,000	315,000
Lyon	1,250	1,120	349	387	436,000	433,000
Murray	1,265	1,105	326	371	413,000	410,000
Nobles	1,535	1,370	289	321	444,000	440,000
Pipestone	880	815	314	335	276,000	273,000
Redwood	1,730	1,550	314	348	543,000	540,000
Rock	1,060	930	281	317	298,000	295,000
Southwest	11,270	9,985	315	353	3,554,000	3,521,000
Blue Earth	1,580	1,400	278	311	440,000	436,000
Brown	1,455	1,360	244	259	355,000	352,000
Faribault	1,410	1,255	307	343	433,000	430,000
Freeborn	1,625	1,460	262	290	426,000	423,000
Le Sueur	1,155	1,020	212	235	245,000	240,000
Martin	1,465	1,340	300	326	440,000	437,000
Nicollet	1,010	935	260	278	263,000	260,000
Rice	1,420	1,275	190	208	270,000	265,000
Steele	1,145	1,025	232	254	266,000	260,000
Waseca	945	865	268	289	253,000	250,000
Watonwan	915	815	282	313	258,000	255,000
South Central	14,125	12,750	258	283	3,649,000	3,608,000
Dakota	1,240	1,085	215	226	266,000	245,000
Dodge	1,020	905	267	296	272,000	268,000
Fillmore	2,030	1,825	266	293	539,000	535,000
Goodhue	2,075	1,840	216	242	449,000	445,000
Houston	1,250	1,140	261	282	326,000	322,000
Mower	1,720	1,495	258	294	444,000	440,000
Olmsted	1,700	1,540	224	244	380,000	375,000
Wabasha	1,175	1,080	251	269	295,000	290,000
Winona	1,335	1,235	258	275	345,000	340,000
Southeast	13,545	12,145	245	268	3,316,000	3,260,000
Minnesota	103,000	92,000	295	326	30,400,000	30,000,000

CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Becker	21,000	21,000	14,000	12,000	90.0	81.0	1,260,000	972,000
Clay	39,000	35,000	32,500	27,800	106.0	65.0	3,445,000	1,807,000
Clearwater	6,000	5,000	2,800	3,300	85.0	64.0	238,000	211,200
Kittson	1,700	2,000	400	1,000	85.0	35.0	34,000	35,000
Mahnomen	11,300	9,000	8,000	5,900	96.0	73.0	768,000	430,700
Marshall	8,500	7,000	6,300	4,000	80.0	40.0	504,000	160,000
Norman	25,500	18,000	18,700	13,800	98.0	72.0	1,832,600	993,600
Pennington	3,500	3,000	3,100	1,900	95.0	51.0	294,500	96,900
Polk	30,000	35,000	26,300	28,500	105.0	69.0	2,761,500	1,966,500
Red Lake	12,000	10,000	10,000	6,100	97.0	56.0	970,000	341,600
Roseau	5,000	5,000	1,300	3,200	88.0	62.0	114,400	198,400
Northwest	163,500	150,000	123,400	107,500	99.0	67.1	12,222,000	7,212,900
Beltrami	5,700	5,000	2,200	2,800	93.0	74.0	204,600	207,200
Cass	4,800	7,500	2,500	2,000	101.0	73.0	252,500	146,000
Hubbard	6,800	8,000	5,900	5,000	101.0	64.0	595,900	320,000
Itasca	500	700	200	200	84.0	83.0	16,800	16,600
Koochiching	1,000	800	300	400	106.0	82.0	31,800	32,800
Lake of the Woods	1,200	1,000	800	600	80.0	59.0	64,000	35,400
North Central	20,000	23,000	11,900	11,000	97.9	68.9	1,165,600	758,000
St.Louis	500	500	300	200	50.0	50.0	15,000	10,000
Northeast	500	500	300	200	50.0	50.0	15,000	10,000
Big Stone	38,500	39,000	35,100	31,400	93.0	38.0	3,264,300	1,193,200
Chippewa	80,000	91,000	77,200	82,000	123.0	47.0	9,495,600	3,854,000
Douglas	34,000	46,000	24,700	22,800	103.0	36.0	2,544,100	820,800
Grant	29,500	34,000	25,700	29,200	107.0	63.0	2,749,900	1,839,600
Lac Qui Parle	85,000	97,000	81,500	88,900	105.0	38.0	8,557,500	3,378,200
Otter Tail	122,000	131,000	95,400	81,300	93.0	55.0	8,872,200	4,471,500
Pope	60,500	74,000	52,200	47,500	113.0	63.0	5,898,600	2,992,500
Stevens	69,500	78,000	65,300	65,500	118.0	59.0	7,705,400	3,864,500
Swift	109,000	111,000	106,100	100,900	117.0	72.0	12,413,700	7,264,800
Traverse	30,000	34,000	26,100	29,200	90.0	36.0	2,349,000	1,051,200
Wilkin	30,000	30,000	28,500	26,400	97.0	67.0	2,764,500	1,768,800
Yellow Medicine	112,000	127,000	108,300	116,400	117.0	50.0	12,671,100	5,820,000
West Central	800,000	892,000	726,100	721,500	109.2	53.1	79,285,900	38,319,100
Benton	42,500	46,000	34,000	21,600	114.0	83.0	3,876,000	1,792,800
Carver	51,000	53,000	43,800	30,600	134.0	40.0	5,869,200	1,223,700
Kandiyohi	121,500	127,000	114,900	104,100	124.0	63.0	14,247,600	6,558,300
Mc Leod	80,000	72,000	75,000	58,700	143.0	74.0	10,725,000	4,343,800
Meeker	97,500	102,000	92,100	80,800	119.0	56.0	10,959,900	4,524,800
Morrison	83,500	77,000	64,700	20,500	89.0	51.0	5,758,300	1,045,500
Renville	156,000	172,000	152,600	155,000	146.0	60.0	22,279,600	9,300,000
Scott	32,000	38,000	29,500	28,500	124.0	73.0	3,658,000	2,080,500
Sherburne	29,000	27,000	25,100	19,000	108.0	80.0	2,710,800	1,520,000
Sibley	108,000	108,500	103,800	92,900	139.0	70.0	14,428,200	6,503,000
Stearns	165,000	158,000	118,700	49,900	113.0	65.0	13,413,100	3,243,500
Todd	101,000	85,000	75,200	29,700	105.0	75.0	7,896,000	2,227,500
Wadena	25,000	23,000	18,000	9,300	85.0	57.0	1,530,000	530,100
Wright	91,000	73,000	79,400	40,400	105.0	47.0	8,337,000	1,898,800
Central	1,183,000	1,161,500	1,026,800	741,000	122.4	63.1	125,688,700	46,792,300

CORN: ACREAGE PLANTED ALL PURPOSES, HARVESTED FOR GRAIN, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Aitkin	4,500	3,000	2,700	900	101.0	88.0	272,700	79,200
Anoka	23,000	18,000	22,100	13,000	104.0	36.0	2,298,400	468,000
Carlton	1,500	1,000	0	100	0.0	79.0	0	7,900
Chisago	41,500	36,500	38,000	29,300	108.0	46.0	4,104,000	1,347,800
Crow Wing	10,000	10,000	7,500	2,400	96.0	37.0	720,000	88,800
Hennepin	23,500	21,000	21,600	17,800	127.0	35.0	2,743,200	623,000
Isanti	38,500	32,000	35,400	27,300	106.0	66.0	3,752,400	1,801,800
Kanabec	20,500	20,000	15,900	11,700	90.0	59.0	1,431,000	690,300
Mille Lacs	28,500	27,000	20,400	15,600	100.0	45.0	2,039,600	702,000
Pine	32,500	28,000	22,900	13,700	100.0	42.0	2,290,000	575,400
Ramsey	1,000	500	800	500	129.0	77.0	103,200	38,500
Washington	33,000	29,000	31,100	22,700	137.0	30.0	4,260,700	681,000
East Central	258,000	226,000	218,400	155,000	110.0	45.8	24,015,200	7,103,700
Cottonwood	128,000	127,000	122,500	120,000	130.0	84.0	15,925,000	10,080,000
Jackson	144,000	148,500	139,200	142,800	140.0	99.0	19,488,000	14,137,200
Lincoln	71,000	71,500	65,000	59,000	112.0	51.0	7,280,000	3,009,000
Lyon	133,000	136,000	126,100	121,500	126.0	55.0	15,888,600	6,682,500
Murray	124,000	139,000	114,400	126,300	125.0	81.0	14,300,000	10,230,300
Nobles	136,000	157,000	127,700	147,600	126.0	90.0	16,090,200	13,284,000
Pipestone	88,000	91,000	81,600	75,100	118.0	53.0	9,628,800	3,980,300
Redwood	146,000	165,000	141,400	153,400	130.0	65.0	18,382,000	9,971,000
Rock	95,000	107,000	90,400	99,800	130.0	81.0	11,752,000	8,083,800
Southwest	1,065,000	1,142,000	1,008,300	1,045,500	127.7	76.0	128,734,600	79,458,100
Blue Earth	134,000	143,000	129,500	134,900	142.0	90.0	18,389,000	12,141,000
Brown	96,000	114,500	90,800	102,300	137.0	71.0	12,439,600	7,263,300
Faribault	153,000	156,500	148,400	148,100	142.0	108.0	21,072,800	15,994,800
Freeborn	148,000	152,000	144,400	142,500	143.0	104.0	20,649,200	14,820,000
Le Sueur	64,000	66,000	61,000	60,100	137.0	70.0	8,357,000	4,207,000
Martin	149,000	163,000	142,000	155,200	142.0	106.0	20,164,000	16,451,200
Nicollet	76,000	88,000	71,600	79,500	143.0	64.0	10,238,800	5,088,000
Rice	70,000	72,500	65,900	66,300	140.0	74.0	9,226,000	4,906,200
Steele	92,000	94,500	89,000	88,400	140.0	86.0	12,460,000	7,602,400
Waseca	104,000	110,000	98,800	102,800	141.0	95.0	13,930,800	9,766,000
Watonwan	79,000	95,000	76,400	87,900	140.0	91.0	10,696,000	7,998,900
South Central	1,165,000	1,255,000	1,117,800	1,168,000	141.0	91.0	157,623,200	106,238,800
Dakota	80,000	85,000	72,900	71,700	134.0	67.0	9,768,600	4,803,900
Dodge	92,000	94,000	86,600	88,200	140.0	102.0	12,124,000	8,996,400
Fillmore	139,000	126,000	131,000	111,200	135.0	71.0	17,685,000	7,895,200
Goodhue	115,000	118,000	102,600	102,900	144.0	79.0	14,774,400	8,129,100
Houston	50,000	56,000	40,500	46,300	137.0	74.0	5,548,500	3,426,200
Mower	148,000	147,000	142,000	141,500	140.0	96.0	19,880,000	13,584,000
Olmsted	102,000	100,000	85,000	85,700	138.0	75.0	11,730,000	6,427,500
Wabasha	56,000	59,000	50,300	49,200	138.0	94.0	6,941,400	4,624,800
Winona	63,000	65,000	56,100	53,600	139.0	75.0	7,797,900	4,020,000
Southeast	845,000	850,000	767,000	750,300	138.5	82.5	106,249,800	61,907,100
Minnesota	5,500,000	5,700,000	5,000,000	4,700,000	127.0	74.0	635,000,000	347,800,000

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-ACRES-		-TONS-		-TONS-	
Becker	6,800	8,600	9.9	7.5	67,600	64,500
Clay	6,100	6,000	10.2	5.3	62,500	31,800
Clearwater	3,200	1,600	7.9	6.0	25,300	9,600
Kittson	1,100	800	11.7	3.9	12,900	3,100
Mahnomen	3,200	2,800	10.3	8.8	33,000	24,700
Marshall	2,100	2,900	10.1	4.4	21,200	12,800
Norman	6,600	4,000	9.4	6.8	62,000	27,200
Pennington	300	900	13.7	5.4	4,100	4,900
Polk	3,600	4,000	9.9	7.5	35,600	30,000
Red Lake	1,900	3,600	13.8	6.8	26,300	24,500
Roseau	3,400	1,600	7.3	5.4	24,800	8,700
Northwest	38,300	36,800	9.8	6.6	375,300	241,800
Beltrami	3,300	2,100	9.8	9.2	32,500	19,300
Cass	2,200	4,800	8.4	4.4	18,600	21,100
Hubbard	900	2,400	8.6	3.7	7,700	8,900
Other Counties	1,000	1,200	10.3	7.1	10,300	8,500
North Central	7,400	10,500	9.3	5.5	69,100	57,800
Northeast	0	200	0.0	7.5	0	1,500
Big Stone	2,600	1,600	15.9	4.0	41,300	6,400
Chippewa	1,900	5,800	17.4	4.6	33,000	26,700
Douglas	9,100	19,500	11.2	4.9	101,700	95,600
Grant	3,500	3,700	14.0	4.1	49,100	15,200
Lac Qui Parle	2,900	5,300	13.5	5.3	39,200	28,100
Otter Tail	26,400	43,300	10.3	5.2	272,600	225,200
Pope	7,600	24,400	13.7	5.2	104,300	126,900
Stevens	3,600	9,500	13.9	4.2	50,100	39,900
Swift	2,400	7,400	12.9	7.8	31,000	57,700
Traverse	1,600	3,300	10.3	4.3	16,500	14,200
Wilkin	800	2,300	12.2	5.8	9,800	13,400
Yellow Medicine	2,900	6,700	12.3	4.7	35,600	31,500
West Central	65,300	132,800	12.0	5.1	784,200	680,800
Benton	8,300	21,100	10.5	3.5	87,300	72,900
Carver	7,100	21,000	16.9	7.1	119,800	149,100
Kandiyohi	5,900	19,400	12.9	4.8	76,400	93,100
Mc Leod	4,800	11,500	16.4	7.5	78,500	86,300
Meeker	5,000	18,300	13.1	5.3	65,600	97,000
Morrison	18,200	49,400	8.2	4.0	150,200	197,600
Renville	2,800	13,000	17.5	5.0	49,000	65,000
Scott	2,300	8,300	14.1	5.5	32,500	45,700
Sherburne	3,700	6,700	11.2	4.8	41,300	32,200
Sibley	3,800	13,500	16.7	8.7	63,500	117,500
Stearns	46,100	96,000	12.9	4.1	595,300	393,600
Todd	25,700	46,800	11.4	3.8	291,700	177,900
Wadena	6,800	12,500	11.2	5.2	76,400	65,000
Wright	11,400	29,500	13.4	5.2	152,800	153,400
Central	151,900	367,000	12.4	4.8	1,880,300	1,746,300

CORN FOR SILAGE: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-ACRES-		-TONS-		-TONS-	
Aitkin	1,700	2,000	9.1	6.2	15,500	12,400
Anoka	800	3,300	9.0	6.5	7,200	21,500
Chisago	3,100	6,200	10.5	5.2	32,500	32,300
Crow Wing	2,400	5,600	9.2	5.5	22,200	30,800
Hennepin	1,700	1,800	11.5	6.1	19,600	11,000
Isanti	2,600	3,100	10.7	7.8	27,900	24,200
Kanabec	4,500	7,200	10.1	6.7	45,400	48,300
Mille Lacs	7,900	10,700	12.1	5.4	95,500	57,800
Pine	9,500	13,400	10.2	4.7	97,100	63,000
Washington	1,800	5,200	14.1	5.1	25,300	26,500
Other Counties	1,300	800	9.9	6.8	12,900	5,400
East Central	37,300	59,300	10.8	5.6	401,100	333,200
Cottonwood	4,300	5,300	17.9	10.8	76,900	57,300
Jackson	3,500	4,200	17.1	11.5	60,000	48,300
Lincoln	4,400	11,400	16.3	6.0	71,800	68,400
Lyon	5,500	13,300	13.1	7.5	71,900	99,800
Murray	5,600	10,200	16.4	7.4	91,900	75,500
Nobles	3,900	7,900	13.9	14.4	54,200	113,800
Pipestone	5,500	15,000	13.6	6.8	74,900	102,000
Redwood	2,800	10,000	15.5	10.4	43,400	104,000
Rock	4,300	6,200	16.7	7.3	71,800	45,300
Southwest	39,800	83,500	15.5	8.6	616,800	714,400
Blue Earth	1,900	5,800	14.9	8.0	28,400	46,400
Brown	4,300	10,800	21.3	7.5	91,400	81,000
Faribault	2,100	6,700	20.9	12.8	43,900	85,800
Freeborn	2,200	8,000	20.4	8.6	44,900	68,800
Le Sueur	1,200	5,000	18.9	7.6	22,700	38,000
Martin	1,900	6,100	16.8	12.8	32,000	78,000
Nicollet	2,100	7,500	19.4	7.0	40,800	52,500
Rice	3,900	5,200	17.5	7.9	68,200	41,100
Steele	1,800	5,100	20.1	14.9	36,100	76,000
Waseca	1,400	5,800	16.3	11.7	22,800	67,900
Watonwan	1,300	6,000	20.6	4.3	26,800	25,800
South Central	24,100	72,000	19.0	9.2	458,000	661,300
Dakota	6,300	11,400	15.6	8.3	98,100	94,600
Dodge	3,900	4,600	19.5	12.9	75,900	59,400
Fillmore	7,600	13,600	17.7	8.5	134,700	115,600
Goodhue	7,900	13,800	17.4	11.2	137,800	154,600
Houston	8,500	8,300	23.0	9.2	195,400	76,400
Mower	3,900	3,900	16.7	11.1	65,100	43,300
Olmsted	16,700	12,500	18.1	7.9	302,000	98,800
Wabasha	4,700	9,100	19.2	10.9	90,400	99,200
Winona	6,400	10,700	18.9	8.5	120,800	91,000
Southeast	65,900	87,900	18.5	9.5	1,220,200	832,900
Minnesota	430,000	850,000	13.5	6.2	5,805,000	5,270,000

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Becker	37,000	33,400	36,500	32,400	35.0	29.0	1,277,500	939,600
Clay	76,200	79,500	75,200	76,500	33.0	19.0	2,481,600	1,453,500
Clearwater	500	1,200	500	1,100	26.0	22.0	13,000	24,200
Kittson	3,000	3,500	3,000	2,100	24.0	10.0	72,000	21,000
Mahnomen	22,600	16,500	22,300	16,300	31.0	25.0	691,300	407,500
Marshall	28,500	19,500	28,200	19,000	25.0	11.0	705,000	209,000
Norman	55,100	60,100	53,200	59,100	33.0	27.0	1,755,600	1,595,700
Pennington	2,700	3,100	2,700	3,000	30.0	19.0	81,000	57,000
Polk	23,800	43,500	23,400	42,300	31.0	19.0	725,400	803,700
Red Lake	4,100	5,200	4,100	5,000	31.0	19.0	127,100	95,000
Roseau	2,600	3,300	2,400	3,100	20.0	22.0	48,000	68,200
Northwest	256,100	268,800	251,500	259,900	32.0	21.8	7,977,500	5,674,400
North Central	400	1,600	400	1,500	24.0	22.0	9,600	33,000
Big Stone	66,300	73,900	65,900	68,600	31.0	14.0	2,042,900	960,400
Chippewa	93,200	108,000	91,800	106,800	40.0	18.0	3,672,000	1,922,400
Douglas	33,100	31,000	32,600	29,700	31.0	18.0	1,010,600	534,600
Grant	84,700	84,900	83,900	82,300	31.0	18.0	2,600,900	1,481,400
Lac Qui Parle	104,500	131,800	103,700	128,200	34.0	17.0	3,525,800	2,179,400
Otter Tail	41,200	54,100	40,800	52,700	32.0	19.0	1,305,600	1,001,300
Pope	36,800	47,200	36,400	45,700	33.0	19.0	1,201,200	868,300
Stevens	78,600	88,200	77,700	83,600	33.0	16.0	2,564,100	1,337,600
Swift	87,100	112,700	86,100	110,200	35.0	21.0	3,013,500	2,314,200
Traverse	90,200	95,900	89,400	90,700	30.0	15.0	2,682,000	1,360,500
Wilkin	84,600	104,100	83,300	102,200	30.0	17.0	2,499,000	1,737,400
Yellow Medicine	144,100	148,900	142,800	146,100	38.0	19.0	5,426,400	2,775,900
West Central	944,400	1,080,700	934,400	1,046,800	34.0	17.6	31,544,000	18,473,400
Benton	7,200	7,500	7,000	7,300	31.0	21.0	217,000	153,300
Carver	24,100	21,600	23,700	21,100	44.0	22.0	1,042,800	464,200
Kandiyohi	84,200	92,500	83,400	91,500	37.0	24.0	3,085,800	2,196,000
Mc Leod	78,600	68,600	77,400	66,900	40.0	29.0	3,096,000	1,940,100
Meeker	71,600	68,100	70,400	66,400	38.0	22.0	2,675,200	1,460,800
Morrison	5,000	5,800	4,900	5,600	27.0	20.0	132,300	112,000
Renville	214,500	211,600	212,600	209,000	43.0	24.0	9,141,800	5,016,000
Scott	33,200	24,100	32,900	23,600	40.0	26.0	1,316,000	613,600
Sherburne	14,700	12,500	14,600	10,800	30.0	25.0	438,000	270,000
Sibley	111,100	108,900	110,200	107,500	41.0	27.0	4,518,200	2,902,500
Stearns	34,700	27,500	33,700	25,300	32.0	21.0	1,078,400	531,300
Todd	6,700	5,800	6,600	5,400	34.0	22.0	224,400	118,800
Wadena	2,000	1,700	2,000	1,600	33.0	25.0	66,000	40,000
Wright	57,300	43,000	56,400	42,300	37.0	20.0	2,086,800	846,000
Central	744,900	699,200	735,800	684,300	40.0	24.4	29,118,700	16,664,600
Anoka	8,600	3,300	8,300	2,500	31.0	19.0	257,300	47,500
Chisago	18,100	12,300	18,000	11,800	32.0	22.0	576,000	260,200
Crow Wing	100	500	100	500	31.0	20.0	3,100	10,000
Hennepin	12,900	8,400	12,700	7,500	34.0	18.0	431,800	135,200
Isanti	15,300	16,100	15,200	15,200	31.0	23.0	471,200	349,800
Kanabec	800	2,300	800	2,000	30.0	23.0	24,000	46,000
Mille Lacs	3,100	4,500	2,900	4,300	33.0	19.0	95,700	81,700
Pine	3,500	2,200	3,500	2,200	30.0	13.0	105,000	28,600
Washington	18,500	13,700	18,300	12,600	39.0	17.0	713,700	214,400
Other Counties	1,200	300	1,200	300	34.0	19.7	40,800	5,900
East Central	82,100	63,600	81,000	58,900	34.0	20.0	2,718,600	1,179,300

SOYBEANS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Cottonwood	151,900	149,900	150,200	147,200	41.0	29.0	6,158,200	4,268,800
Jackson	166,600	164,700	166,000	163,200	42.0	34.0	6,972,000	5,548,800
Lincoln	79,400	61,400	78,500	60,800	39.0	22.0	3,061,500	1,337,600
Lyon	122,500	142,600	121,000	141,000	38.0	20.0	4,598,000	2,820,000
Murray	140,600	149,300	139,300	147,900	39.0	31.0	5,432,700	4,584,900
Nobles	158,200	167,100	156,700	164,700	39.0	35.0	6,111,300	5,764,500
Pipestone	68,200	72,600	67,500	71,700	37.0	23.0	2,497,500	1,649,100
Redwood	195,700	209,500	193,500	206,600	40.0	24.0	7,740,000	4,958,400
Rock	78,900	94,600	78,000	93,700	40.0	37.0	3,120,000	3,466,900
Southwest	1,162,000	1,211,700	1,150,700	1,196,800	40.0	28.7	45,691,200	34,399,000
Blue Earth	166,300	156,400	164,500	154,500	44.0	33.0	7,238,000	5,098,500
Brown	114,700	127,500	114,600	126,200	42.0	24.0	4,813,200	3,028,800
Faribault	144,400	156,800	144,100	154,900	42.0	35.0	6,052,200	5,421,500
Freeborn	115,600	121,000	115,400	119,700	44.0	35.0	5,077,600	4,189,500
Le Sueur	71,200	63,100	70,900	62,400	42.0	27.0	2,977,800	1,684,800
Martin	172,500	175,900	170,600	173,900	44.0	34.0	7,506,400	5,912,600
Nicollet	75,200	90,100	74,400	88,900	43.0	25.0	3,199,200	2,222,500
Rice	40,400	39,000	40,300	38,400	43.0	29.0	1,732,900	1,113,600
Steele	65,500	61,400	65,400	60,700	44.0	31.0	2,877,600	1,881,700
Waseca	60,100	71,600	55,000	69,900	43.0	35.0	2,365,000	2,446,500
Watonwan	86,800	107,400	86,500	106,200	43.0	30.0	3,719,500	3,186,000
South Central	1,112,700	1,170,200	1,101,700	1,155,700	43.0	31.3	47,559,400	36,186,000
Dakota	65,300	49,000	65,200	47,700	41.0	23.0	2,673,200	1,097,100
Dodge	57,400	68,100	56,800	67,300	42.0	33.0	2,385,600	2,220,900
Fillmore	32,700	41,500	32,300	40,500	42.0	27.0	1,356,600	1,093,500
Goodhue	39,500	47,200	39,400	46,300	43.0	29.0	1,694,200	1,342,700
Houston	2,500	6,700	2,500	6,400	46.0	33.0	115,000	211,200
Mower	136,900	127,800	135,400	126,100	43.0	34.0	5,822,200	4,287,400
Olmsted	45,200	36,400	45,100	34,800	42.0	29.0	1,894,200	1,009,200
Wabasha	11,100	17,300	11,000	16,900	44.0	37.0	484,000	625,300
Winona	6,800	10,200	6,800	10,100	45.0	30.0	306,000	303,000
Southeast	397,400	404,200	394,500	396,100	42.0	30.8	16,731,000	12,190,300
Minnesota	4,700,000	4,900,000	4,650,000	4,800,000	39.0	26.0	181,350,000	124,800,000

Photo by Janet Wiemer

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Becker	53,900	54,900	51,900	53,200	43.3	32.7	2,248,000	1,739,400
Clay	163,200	168,400	160,400	160,900	42.9	23.9	6,880,100	3,850,100
Clearwater	9,300	9,300	8,200	8,500	31.0	25.4	254,200	216,100
Kittson	193,900	199,000	189,800	106,300	41.0	21.9	7,777,600	2,329,700
Mahnomen	37,800	41,000	36,100	39,500	43.7	32.5	1,577,900	1,282,200
Marshall	308,700	298,100	303,900	230,500	41.0	22.0	12,466,500	5,071,000
Norman	150,900	150,400	147,400	145,800	42.9	35.8	6,322,600	5,220,400
Pennington	74,200	73,000	72,500	69,600	38.0	23.9	2,753,800	1,666,500
Polk	331,500	338,500	326,900	324,700	43.9	26.8	14,362,500	8,691,000
Red Lake	48,000	53,200	46,500	49,500	41.0	22.0	1,904,400	1,089,300
Roseau	158,600	152,900	155,200	145,400	35.0	22.0	5,433,200	3,199,700
Northwest	1,530,000	1,538,700	1,498,800	1,333,900	41.4	25.8	61,980,800	34,355,400
Beltrami	7,200	5,500	6,600	5,100	29.0	15.1	191,100	77,100
Hubbard	2,100	1,500	1,800	1,100	22.6	20.1	40,700	22,100
Koochiching	3,300	1,400	3,000	1,400	25.0	41.5	75,000	58,100
Lake of the Woods	16,000	14,700	15,900	14,400	31.0	31.8	492,500	457,800
Other Counties	1,000	800	1,000	800	25.2	19.6	25,200	15,700
North Central	29,600	23,900	28,300	22,800	29.1	27.7	824,500	630,800
Northeast	500	300	500	300	27.0	19.0	13,500	5,700
Big Stone	62,000	61,400	60,100	58,600	37.0	14.0	2,225,300	821,800
Chippewa	51,100	47,500	50,200	46,000	45.7	20.0	2,295,200	920,800
Douglas	15,800	14,700	15,400	13,800	38.9	15.6	599,600	215,300
Grant	75,700	70,300	75,300	68,100	42.3	16.1	3,182,300	1,094,800
Lac Qui Parle	71,000	68,700	69,600	65,300	41.9	19.0	2,916,500	1,241,300
Otter Tail	59,700	60,900	58,400	55,400	38.2	16.9	2,228,700	938,100
Pope	25,300	23,200	24,900	21,900	41.8	15.1	1,041,800	329,900
Stevens	63,200	64,200	62,500	54,300	42.9	15.0	2,682,200	816,400
Swift	53,200	51,600	50,900	47,000	39.9	17.1	2,030,400	801,400
Traverse	103,800	101,300	101,000	96,400	39.8	15.0	4,019,100	1,450,500
Wilkin	114,600	118,800	114,200	112,700	39.8	19.9	4,543,000	2,244,800
Yellow Medicine	39,600	38,500	38,300	36,700	42.9	22.0	1,642,000	806,600
West Central	735,000	721,100	720,800	676,200	40.8	17.3	29,406,100	11,681,700
Benton	600	600	600	500	23.0	21.2	13,800	10,600
Carver	3,900	4,000	3,800	3,700	36.9	25.1	140,300	92,800
Kandiyohi	24,200	20,400	22,300	19,500	37.2	19.3	828,900	376,700
Mc Leod	13,800	10,500	13,300	9,900	36.5	28.8	485,700	285,200
Meeker	12,800	11,600	11,700	9,400	37.9	24.1	443,700	226,400
Morrison	1,200	900	1,100	700	23.7	21.1	26,100	14,800
Renville	47,500	44,800	46,900	41,500	45.6	25.3	2,139,000	1,050,500
Scott	4,200	4,000	4,000	3,600	33.6	22.8	134,500	82,000
Sherburne	2,100	1,400	1,600	900	19.9	17.6	31,900	15,800
Sibley	16,500	13,900	15,600	13,100	38.0	26.1	592,900	342,500
Stearns	9,900	7,700	9,500	6,400	33.3	12.1	316,800	77,600
Todd	2,600	2,400	2,400	1,700	25.7	18.8	61,600	32,000
Wadena	1,200	1,000	1,100	700	24.6	18.6	27,100	13,000
Wright	3,100	2,700	2,800	2,100	25.7	25.2	72,000	53,000
Central	143,600	125,900	136,700	113,700	38.9	23.5	5,314,300	2,672,900
Aitkin	2,200	1,200	2,200	900	26.9	14.0	59,200	12,600
Hennepin	1,700	1,700	1,600	1,300	28.4	25.0	45,500	32,500
Washington	2,200	1,400	1,900	1,000	23.4	21.3	44,400	21,300
Other Counties	2,400	1,600	2,400	1,300	22.5	17.8	54,000	23,100
East Central	8,500	5,900	8,100	4,500	25.1	19.9	203,100	89,500

ALL WHEAT: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA 1987-88 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Cottonwood	4,400	3,100	4,300	2,900	40.9	22.0	175,800	63,700
Lincoln	20,000	17,300	19,100	16,800	39.9	22.0	763,000	369,200
Lyon	20,300	15,700	19,600	15,000	41.0	20.0	803,400	300,400
Murray	7,100	4,600	7,000	4,400	40.0	23.0	279,800	101,200
Nobles	3,300	2,500	3,100	2,300	42.2	27.0	130,700	62,100
Pipestone	6,500	4,600	6,200	4,200	38.0	18.2	235,600	76,400
Redwood	15,200	14,100	14,000	13,500	40.9	22.1	573,100	298,000
Other Counties	1,600	1,200	1,600	1,100	34.8	16.8	55,700	18,500
Southwest	78,400	63,100	74,900	60,200	40.3	21.4	3,017,100	1,289,500
Blue Earth	4,000	2,800	3,900	2,700	37.1	25.3	144,600	68,300
Brown	4,500	3,600	4,200	3,500	36.0	25.1	151,200	87,900
Faribault	1,800	1,600	1,700	1,500	39.8	31.2	67,700	46,800
Le Sueur	10,400	8,500	9,900	8,000	36.8	24.1	364,300	192,800
Nicollet	6,300	4,500	6,100	4,000	40.9	26.7	249,300	106,700
Rice	2,100	1,800	2,000	1,700	34.7	23.1	69,300	39,300
Waseca	2,700	2,000	2,600	1,900	37.1	27.3	96,400	51,900
Watonwan	1,300	1,000	1,200	1,000	36.1	24.0	43,300	24,000
Other Counties	2,900	2,000	2,700	1,900	38.7	33.5	104,600	63,700
South Central	36,000	27,800	34,300	26,200	37.6	26.0	1,290,700	681,400
Dakota	7,700	5,600	6,700	4,800	29.9	25.9	200,500	124,400
Dodge	1,300	1,700	1,200	1,700	36.0	21.6	43,200	36,800
Fillmore	900	700	800	700	39.3	26.3	31,400	18,400
Goodhue	3,600	2,000	3,200	1,800	31.4	27.7	100,400	49,800
Mower	2,000	1,200	1,800	1,200	35.1	32.3	63,200	38,700
Olmsted	900	700	900	600	35.6	25.7	32,000	15,400
Other Counties	2,000	1,400	2,000	1,400	33.6	28.3	67,200	39,600
Southeast	18,400	13,300	16,600	12,200	32.4	26.5	537,900	323,100
Minnesota	2,580,000	2,520,000	2,519,000	2,250,000	40.7	23.0	102,588,000	51,730,000

Photo courtesy of Minnesota Extension Service

SPRING WHEAT (OTHER THAN DURUM): ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Becker	49,100	51,800	47,900	50,600	44.0	33.0	2,107,600	1,669,800
Clay	154,600	160,500	152,300	154,100	43.0	24.0	6,548,900	3,698,400
Clearwater	7,100	7,700	6,300	7,300	31.0	25.0	195,300	182,500
Kittson	191,400	195,100	187,500	104,100	41.0	22.0	7,687,500	2,290,200
Mahnomen	34,300	38,200	32,800	37,100	45.0	33.0	1,476,000	1,224,300
Marshall	297,100	284,700	292,800	219,700	41.0	22.0	12,004,800	4,833,400
Norman	145,000	146,500	142,200	142,700	43.0	36.0	6,114,600	5,137,200
Pennington	72,700	71,400	71,100	68,300	38.0	24.0	2,701,800	1,639,200
Polk	319,100	318,200	315,000	305,200	44.0	27.0	13,860,000	8,240,400
Red Lake	45,700	50,500	44,400	47,200	41.0	22.0	1,820,400	1,038,400
Roseau	151,800	146,500	148,700	139,900	35.0	22.0	5,204,500	3,077,800
Northwest	1,467,900	1,471,100	1,441,000	1,276,200	41.4	25.9	59,721,400	33,031,600
Beltrami	7,100	5,400	6,500	5,000	29.0	15.0	188,500	75,000
Hubbard	1,900	1,300	1,600	900	22.0	20.0	35,200	18,000
Koochiching	3,200	1,300	2,900	1,300	25.0	43.0	72,500	55,900
Lake of the Woods	15,500	14,300	15,400	14,000	31.0	32.0	477,400	448,000
Other Counties	700	500	700	500	25.7	19.4	18,000	9,700
North Central	28,400	22,800	27,100	21,700	29.2	28.0	791,600	606,600
Northeast	500	300	500	300	27.0	19.0	13,500	5,700
Big Stone	60,100	60,300	58,200	57,600	37.0	14.0	2,153,400	806,400
Chippewa	50,100	46,600	49,200	45,200	46.0	20.0	2,263,200	904,000
Douglas	14,500	13,200	14,100	12,500	40.0	15.0	564,000	187,500
Grant	72,500	68,200	72,100	66,500	43.0	16.0	3,100,300	1,064,000
Lac Qui Parle	69,700	67,900	68,700	64,700	42.0	19.0	2,885,400	1,229,300
Otter Tail	51,200	54,500	50,900	49,900	40.0	17.0	2,036,000	848,300
Pope	24,800	22,800	24,500	21,600	42.0	15.0	1,029,000	324,000
Stevens	62,500	63,600	61,800	53,800	43.0	15.0	2,657,400	807,000
Swift	52,500	51,100	50,200	46,600	40.0	17.0	2,008,000	792,200
Traverse	100,300	98,800	97,800	94,600	40.0	15.0	3,912,000	1,419,000
Wilkin	109,600	114,600	109,200	109,200	40.0	20.0	4,368,000	2,184,000
Yellow Medicine	37,800	37,100	36,800	35,600	43.0	22.0	1,582,400	783,200
West Central	705,600	698,700	693,500	657,800	41.2	17.3	28,559,100	11,348,900
Carver	2,500	2,800	2,500	2,700	40.0	24.0	100,000	64,800
Kandiyohi	21,200	18,400	19,900	17,800	38.0	19.0	756,200	338,200
Mc Leod	11,100	8,500	11,000	8,300	36.0	28.0	396,000	232,400
Meeker	11,200	10,500	10,300	8,600	39.0	24.0	401,700	206,400
Renville	45,000	42,600	44,500	39,900	46.0	25.0	2,047,000	997,500
Scott	2,900	3,100	2,900	2,900	35.0	22.0	101,500	63,800
Sherburne	800	500	800	400	24.0	17.0	19,200	6,800
Sibley	13,200	11,200	12,500	10,900	38.0	26.0	475,000	283,400
Stearns	7,100	5,300	6,900	4,700	35.0	10.0	241,500	47,000
Todd	1,700	1,800	1,600	1,200	25.0	20.0	40,000	24,000
Wright	2,200	2,000	2,000	1,600	28.0	25.0	56,000	40,000
Other Counties	1,000	900	1,000	600	24.6	18.0	24,600	10,800
Central	119,900	107,600	115,900	99,600	40.2	23.2	4,658,700	2,315,100
Aitkin	2,100	1,200	2,100	900	27.0	14.0	56,700	12,600
Hennepin	1,200	1,200	1,100	900	30.0	25.0	33,000	22,500
Washington	1,600	900	1,500	700	24.0	21.0	36,000	14,700
Other Counties	1,500	1,400	1,500	1,100	23.7	17.5	35,500	19,300
East Central	6,400	4,700	6,200	3,600	26.0	19.2	161,200	69,100

SPRING WHEAT (OTHER THAN DURUM): ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Cottonwood	4,200	3,000	4,100	2,800	41.0	22.0	168,100	61,600
Lincoln	19,400	16,700	18,500	16,300	40.0	22.0	740,000	358,600
Lyon	20,100	15,500	19,400	14,900	41.0	20.0	795,400	298,000
Murray	7,000	4,600	6,900	4,400	40.0	23.0	276,000	101,200
Nobles	2,800	2,100	2,600	2,000	42.0	27.0	109,200	54,000
Pipestone	6,300	4,500	6,000	4,100	38.0	18.0	228,000	73,800
Redwood	14,600	13,600	13,400	13,100	41.0	22.0	549,400	288,200
Other Counties	1,400	1,200	1,400	1,100	34.6	16.8	48,400	18,500
Southwest	75,800	61,200	72,300	58,700	40.3	21.4	2,914,500	1,253,900
Blue Earth	3,800	2,700	3,800	2,600	37.0	25.0	140,600	65,000
Brown	4,200	3,400	3,900	3,300	36.0	25.0	140,400	82,500
Faribault	1,500	1,300	1,400	1,200	40.0	31.0	56,000	37,200
Le Sueur	9,300	7,400	8,900	7,200	37.0	23.0	329,300	165,600
Nicollet	5,900	4,100	5,700	3,700	41.0	26.0	233,700	96,200
Rice	1,800	1,500	1,700	1,400	36.0	21.0	61,200	29,400
Steele	1,500	900	1,400	800	37.0	35.0	51,800	28,000
Waseca	2,500	1,900	2,400	1,800	37.0	27.0	88,800	48,600
Watonwan	1,200	1,000	1,100	1,000	36.0	24.0	39,600	24,000
Other Counties	1,000	900	900	900	41.4	32.8	37,300	29,500
South Central	32,700	25,100	31,200	23,900	37.8	25.4	1,178,700	606,000
Dakota	5,100	2,800	4,600	2,600	30.0	26.0	138,000	67,600
Dodge	1,100	1,600	1,100	1,600	36.0	21.0	39,600	33,600
Fillmore	600	500	600	500	40.0	25.0	24,000	12,500
Goodhue	2,700	1,500	2,700	1,400	32.0	29.0	86,400	40,600
Mower	1,600	900	1,600	900	35.0	31.0	56,000	27,900
Other Counties	1,700	1,200	1,700	1,200	33.7	25.8	57,300	30,900
Southeast	12,800	8,500	12,300	8,200	32.6	26.0	401,300	213,100
Minnesota	2,450,000	2,400,000	2,400,000	2,150,000	41.0	23.0	98,400,000	49,450,000

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Becker	44,300	30,900	26,600	13,600	44.0	20.0	1,170,400	272,000
Clay	8,800	16,500	5,400	10,400	65.0	28.0	351,000	291,200
Clearwater	6,700	14,700	4,100	11,400	46.0	33.0	188,600	376,200
Kittson	15,000	23,500	5,200	7,300	74.0	25.0	384,800	182,500
Mahnomen	1,900	12,600	1,400	7,400	74.0	38.0	103,600	281,200
Marshall	26,300	37,100	14,500	19,700	68.0	34.0	986,000	669,800
Norman	7,000	12,800	3,700	7,100	67.0	39.0	247,900	276,900
Pennington	15,700	40,100	9,700	20,500	64.0	33.0	620,800	676,500
Polk	6,700	12,000	3,100	7,200	66.0	36.0	204,600	259,200
Red Lake	16,400	18,700	10,900	12,600	70.0	31.0	763,000	390,600
Roseau	8,600	46,400	5,000	22,300	62.0	33.0	310,000	735,900
Northwest	157,400	265,300	89,600	139,500	59.5	31.6	5,330,700	4,412,000
Beltrami	24,400	17,600	12,600	8,700	47.0	33.0	592,200	287,100
Cass	14,200	6,000	8,500	600	40.0	20.0	340,000	12,000
Hubbard	8,900	3,800	2,600	800	47.0	21.0	122,200	16,800
Itasca	21,100	1,000	8,000	500	36.0	22.0	288,000	11,000
Koochiching	13,200	3,400	6,300	2,200	33.0	44.0	207,900	96,800
Lake of the Woods	11,900	12,000	5,700	6,400	49.0	50.0	279,300	320,000
North Central	93,700	43,800	43,700	19,200	41.9	38.7	1,829,600	743,700
St. Louis	8,300	3,400	3,800	1,300	36.0	40.0	136,800	52,000
Other Counties	600	300	100	100	36.0	29.0	3,600	2,900
Northeast	8,900	3,700	3,900	1,400	36.0	39.2	140,400	54,900
Big Stone	9,400	17,000	2,900	6,200	74.0	17.0	214,600	105,400
Chippewa	18,300	11,100	3,800	1,600	74.0	37.0	281,200	59,200
Douglas	55,300	54,600	26,600	32,000	59.0	19.0	1,569,400	608,000
Grant	9,400	8,200	4,700	4,000	73.0	25.0	343,100	100,000
Lac Qui Parle	14,200	14,700	1,600	2,800	73.0	28.0	116,800	78,400
Otter Tail	124,700	118,800	57,300	61,600	55.0	15.0	3,151,500	924,000
Pope	36,900	50,500	14,800	24,200	68.0	20.0	1,006,400	484,000
Stevens	8,700	13,500	3,500	5,700	74.0	18.0	259,000	102,600
Swift	11,500	16,900	1,900	5,400	74.0	30.0	140,600	162,000
Traverse	12,200	14,100	3,900	5,600	77.0	23.0	300,300	128,800
Wilkin	6,700	4,800	2,400	3,200	53.0	17.0	127,200	54,400
Yellow Medicine	20,000	12,700	4,000	1,900	70.0	28.0	280,000	53,200
West Central	327,300	336,900	127,400	154,200	61.1	18.5	7,790,100	2,860,000
Benton	23,700	24,200	13,000	6,700	41.0	15.0	533,000	100,500
Carver	23,000	21,000	12,500	13,400	60.0	42.0	750,000	562,800
Kandiyohi	42,900	29,100	15,900	10,300	64.0	33.0	1,017,600	339,900
Mc Leod	26,700	22,700	10,800	11,300	62.0	52.0	669,600	587,600
Meeker	42,000	25,300	13,200	13,000	63.0	32.0	831,600	416,000
Morrison	45,900	39,200	20,200	13,700	39.0	15.0	787,800	205,500
Renville	12,600	18,900	3,700	9,000	66.0	51.0	244,200	459,000
Scott	11,300	12,600	4,700	6,600	58.0	36.0	272,600	237,600
Sherburne	6,100	3,500	1,600	500	38.0	31.0	60,800	15,500
Sibley	25,000	19,700	7,900	7,800	60.0	43.0	474,000	335,400
Stearns	145,700	123,300	77,400	55,600	56.0	19.0	4,334,400	1,056,400
Todd	52,400	59,500	28,200	20,800	53.0	16.0	1,494,600	332,800
Wadena	19,600	13,100	9,500	2,300	44.0	19.0	418,000	43,700
Wright	21,200	23,400	9,500	14,600	50.0	32.0	475,000	467,200
Central	498,100	435,500	228,100	185,600	54.2	27.8	12,363,200	5,159,900

OATS: ACREAGE, YIELD AND PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Aitkin	5,700	2,700	2,900	1,900	45.0	24.0	130,500	45,600
Carlton	15,100	1,700	9,900	800	29.0	34.0	287,100	27,200
Chisago	6,200	8,900	2,600	4,600	30.0	26.0	78,000	119,600
Crow Wing	17,900	10,700	4,600	2,300	30.0	15.0	138,000	34,500
Hennepin	12,400	5,000	6,400	2,600	46.0	31.0	294,400	80,600
Isanti	9,100	5,600	4,900	3,100	35.0	27.0	171,500	83,700
Kanabec	9,300	9,800	5,800	4,900	36.0	17.0	208,800	83,300
Mille Lacs	13,600	10,900	7,000	4,300	42.0	19.0	294,000	81,700
Pine	29,200	13,600	15,500	6,400	40.0	21.0	620,000	134,400
Washington	6,100	6,300	3,200	4,600	38.0	34.0	121,600	156,400
Other Counties	11,400	800	3,700	200	38.0	29.0	140,900	5,800
East Central	136,000	76,000	66,500	35,700	37.4	23.9	2,484,800	852,800
Cottonwood	9,100	8,400	700	1,200	67.0	41.0	46,900	49,200
Jackson	42,900	6,300	3,000	1,400	73.0	46.0	219,000	64,400
Lincoln	28,000	29,000	8,800	12,900	70.0	41.0	616,000	528,900
Lyon	52,900	22,400	9,500	6,500	71.0	41.0	674,500	266,500
Murray	29,500	25,400	4,500	7,500	69.0	49.0	310,500	367,500
Nobles	33,500	21,700	6,100	6,700	73.0	52.0	445,300	348,400
Pipestone	34,900	31,300	11,500	11,400	70.0	40.0	805,000	456,000
Redwood	19,400	15,000	2,300	5,000	69.0	50.0	158,700	250,000
Rock	20,400	15,000	3,500	2,900	77.0	45.0	269,500	130,500
Southwest	270,600	174,500	49,900	55,500	71.1	44.3	3,545,400	2,461,400
Blue Earth	6,000	6,900	500	800	66.0	42.0	33,000	33,600
Brown	31,000	22,200	6,900	5,100	66.0	35.0	455,400	178,500
Faribault	18,100	7,500	800	700	67.0	58.0	53,600	40,600
Freeborn	56,500	11,800	7,900	3,600	61.0	54.0	481,900	194,400
Le Sueur	7,700	9,500	1,200	3,200	63.0	34.0	75,600	108,800
Martin	25,000	7,300	2,200	3,700	70.0	54.0	154,000	199,800
Nicollet	19,200	13,200	3,700	2,800	65.0	41.0	240,500	114,800
Rice	25,100	15,700	5,600	5,900	61.0	44.0	341,600	259,600
Steele	23,400	15,400	3,800	5,800	65.0	47.0	247,000	272,600
Waseca	11,500	7,000	1,000	1,100	60.0	42.0	60,000	46,200
Watonwan	17,300	4,700	1,900	1,400	61.0	34.0	115,900	47,600
South Central	240,800	121,200	35,500	34,100	63.6	43.9	2,258,500	1,496,500
Dakota	22,700	11,300	8,300	6,100	55.0	30.0	456,500	183,000
Dodge	48,100	15,600	16,800	5,600	64.0	50.0	1,075,200	280,000
Fillmore	53,100	38,000	28,400	21,200	60.0	48.0	1,704,000	1,017,600
Goodhue	58,900	37,800	21,100	19,800	66.0	67.0	1,392,600	1,326,600
Houston	27,200	24,800	14,200	13,000	61.0	48.0	866,200	624,000
Mower	45,000	21,500	9,200	4,500	62.0	43.0	570,400	193,500
Olmsted	38,700	26,600	18,900	14,300	66.0	51.0	1,247,400	729,300
Wabasha	30,100	34,200	16,200	21,600	69.0	64.0	1,117,800	1,382,400
Winona	43,400	33,300	22,300	18,700	64.0	52.0	1,427,200	972,400
Southeast	367,200	243,100	155,400	124,800	63.4	53.8	9,857,300	6,708,800
Minnesota	2,100,000	1,700,000	800,000	750,000	57.0	33.0	45,600,000	24,750,000

ALL HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-ACRES-		-TONS-		-TONS-	
Becker	49,900	76,100	3.1	1.7	156,400	125,700
Clay	15,600	27,600	3.1	1.9	49,100	53,700
Clearwater	54,600	66,800	2.7	1.9	146,300	124,800
Kittson	13,100	26,200	2.6	1.0	33,700	25,600
Mahnomen	16,900	22,400	3.8	2.1	63,700	47,200
Marshall	31,800	49,500	2.7	1.4	87,000	69,400
Norman	14,900	27,700	3.2	2.1	48,000	56,900
Pennington	23,500	46,100	2.5	1.4	59,700	66,100
Polk	37,800	59,200	2.9	1.8	109,800	105,600
Red Lake	18,600	32,400	3.1	1.3	58,000	41,500
Roseau	59,700	102,800	2.4	1.1	143,500	112,900
Northwest	336,400	536,800	2.8	1.5	955,200	829,400
Beltrami	63,800	89,400	2.6	1.4	165,400	120,700
Cass	50,000	69,300	1.5	1.0	75,500	66,200
Hubbard	31,400	45,700	1.7	0.9	52,000	40,100
Itasca	46,900	66,400	1.9	1.5	90,800	97,000
Koochiching	27,700	41,300	1.6	1.1	45,200	46,400
Lake of the Woods	14,100	18,800	2.2	1.2	31,400	22,300
North Central	233,900	330,900	2.0	1.2	460,300	392,700
Cook	800	1,100	1.4	1.3	1,100	1,400
Lake	1,900	4,400	1.5	1.1	2,800	4,900
St.Louis	76,900	116,700	1.6	1.2	124,200	135,400
Northeast	79,600	122,200	1.6	1.2	128,100	141,700
Big Stone	9,200	16,500	2.8	1.4	25,500	23,900
Chippewa	6,300	14,700	4.3	1.6	27,400	22,800
Douglas	33,800	53,800	2.9	1.9	98,200	102,500
Grant	8,500	19,000	3.7	1.5	31,300	29,100
Lac Qui Parle	12,300	19,200	2.5	1.3	30,800	25,800
Otter Tail	164,500	230,800	2.8	1.6	455,800	371,500
Pope	25,900	41,500	2.5	1.5	63,500	60,400
Stevens	6,200	10,500	3.7	1.4	22,800	15,000
Swift	13,100	21,100	3.0	2.0	38,800	41,600
Traverse	5,900	9,000	3.1	2.0	18,100	18,100
Wilkin	9,700	19,000	3.1	2.1	30,400	39,000
Yellow Medicine	11,700	30,000	3.9	1.8	45,600	53,700
West Central	307,100	485,100	2.9	1.7	888,200	803,400
Benton	34,200	49,700	2.2	1.4	75,900	67,700
Carver	26,800	36,900	4.6	1.8	122,500	64,600
Kandiyohi	28,200	47,600	3.7	1.6	104,400	74,900
Mc Leod	21,300	31,200	4.9	2.2	103,900	67,400
Meeker	21,700	34,000	4.1	1.8	88,000	59,700
Morrison	84,400	122,700	2.5	1.4	207,000	170,700
Renville	12,000	18,000	3.6	1.8	43,600	32,900
Scott	19,900	28,500	3.9	2.7	78,400	76,800
Sherburne	16,900	18,800	2.1	1.8	36,000	34,300
Sibley	22,500	36,200	4.2	1.8	95,100	66,300
Stearns	133,000	182,400	2.9	1.7	388,000	303,900
Todd	91,500	126,200	2.5	1.4	230,500	178,100
Wadena	52,500	72,000	2.2	1.2	114,400	84,800
Wright	43,900	66,200	3.2	1.9	141,400	127,100
Central	608,800	870,400	3.0	1.6	1,829,100	1,409,200

ALL HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-ACRES-		-TONS-		-TONS-	
Aitkin	72,300	107,000	1.9	1.6	140,200	170,200
Anoka	14,400	19,000	2.9	1.5	42,400	29,000
Carlton	57,200	84,000	2.4	1.3	135,300	109,200
Chisago	26,600	39,800	3.0	1.9	80,600	74,600
Crow Wing	32,700	52,300	1.6	1.1	51,300	57,200
Hennepin	19,800	25,700	3.3	2.0	66,000	50,600
Isanti	24,400	33,500	2.2	2.1	54,000	70,400
Kanabec	44,900	68,100	2.0	1.3	91,700	88,900
Mille Lacs	38,100	54,200	2.0	1.6	76,700	88,800
Pine	84,300	136,900	1.9	1.0	158,700	140,200
Ramsey	1,300	1,400	2.4	1.9	3,100	2,600
Washington	21,300	32,100	3.3	1.5	70,700	48,400
East Central	437,300	654,000	2.2	1.4	970,700	930,100
Cottonwood	8,200	17,300	4.0	2.2	32,700	37,600
Jackson	6,700	12,700	3.1	2.3	21,000	28,900
Lincoln	23,600	42,200	3.7	2.0	87,900	83,200
Lyon	19,000	36,100	4.2	2.0	80,100	70,700
Murray	17,300	25,700	3.8	2.6	65,900	65,800
Nobles	12,500	23,900	3.4	2.4	43,100	57,700
Pipestone	17,300	24,100	3.4	1.8	59,100	44,300
Redwood	11,000	21,300	3.9	2.0	42,600	43,300
Rock	13,200	24,400	3.5	2.5	46,400	60,300
Southwest	128,800	227,700	3.7	2.2	478,800	491,800
Blue Earth	6,400	10,900	4.1	2.9	26,100	31,400
Brown	13,000	18,800	4.5	2.3	58,500	42,800
Faribault	6,100	11,000	4.1	2.8	25,000	31,000
Freeborn	10,200	18,700	4.6	2.4	47,100	45,300
Le Sueur	14,700	25,100	4.3	2.2	62,600	56,400
Martin	8,900	16,100	4.1	2.7	36,700	43,700
Nicollet	8,500	11,700	4.4	1.8	37,200	20,800
Rice	23,600	35,100	4.7	2.1	112,000	75,400
Steele	10,400	16,700	4.5	2.2	47,200	36,100
Waseca	8,100	12,500	3.8	2.7	31,000	33,500
Watonwan	4,500	9,000	4.0	2.0	17,800	18,300
South Central	114,400	185,600	4.4	2.3	501,200	434,700
Dakota	19,300	31,000	3.6	1.9	69,100	59,200
Dodge	17,700	28,500	4.7	2.6	83,800	73,400
Fillmore	60,500	102,800	4.2	2.3	257,100	239,900
Goodhue	62,400	88,200	4.0	2.7	249,600	236,700
Houston	42,800	71,100	4.5	2.7	191,000	192,400
Mower	19,800	37,200	3.4	2.4	67,200	87,500
Olmsted	48,200	65,400	4.1	2.2	196,900	143,800
Wabasha	46,500	74,500	4.3	3.0	201,600	224,800
Winona	61,500	88,600	4.4	3.0	272,100	269,300
Southeast	378,700	587,300	4.2	2.6	1,588,400	1,527,000
Minnesota	2,625,000	4,000,000	3.0	1.7	7,800,000	6,960,000

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-ACRES-		-TONS-		-TONS-	
Becker	36,100	49,000	3.60	1.80	130,000	87,700
Clay	11,900	19,300	3.40	1.90	40,500	37,100
Clearwater	41,300	45,800	2.90	2.00	119,800	93,300
Kittson	9,400	18,400	2.80	0.80	26,300	13,900
Mahnomen	15,300	19,800	3.90	2.10	59,700	40,700
Marshall	24,400	35,700	3.10	1.50	75,600	52,800
Norman	11,400	21,800	3.60	2.20	41,000	48,000
Pennington	17,000	30,100	2.80	1.70	47,600	50,100
Polk	22,100	35,000	3.50	2.00	77,400	69,300
Red Lake	13,000	19,600	3.60	1.40	46,800	27,400
Roseau	38,400	52,500	2.60	1.20	99,800	61,300
Northwest	240,300	347,000	3.20	1.70	764,500	581,600
Beltrami	44,400	55,600	3.00	1.30	133,200	73,400
Cass	13,900	14,700	2.30	1.20	32,000	17,000
Hubbard	13,000	15,700	2.00	0.80	26,000	13,100
Itasca	8,500	7,800	3.10	1.90	26,400	14,900
Koochiching	9,000	13,500	1.90	1.60	17,100	21,400
Lake of the Woods	8,500	10,300	2.70	1.30	23,000	13,800
North Central	97,300	117,600	2.60	1.30	257,700	153,600
St.Louis	8,000	12,700	2.00	0.80	16,000	10,600
Other Counties	100	200	3.00	1.50	300	300
Northeast	8,100	12,900	2.00	0.80	16,300	10,900
Big Stone	6,800	12,000	3.20	1.50	21,800	17,600
Chippewa	5,100	12,000	4.60	1.60	23,500	19,300
Douglas	26,600	37,500	3.10	2.00	82,500	76,400
Grant	6,800	15,600	4.10	1.60	27,900	25,000
Lac Qui Parle	8,500	12,000	2.90	1.40	24,700	17,200
Otter Tail	128,400	173,300	3.00	1.60	385,200	285,200
Pope	21,100	28,200	2.60	1.30	54,900	36,500
Stevens	5,300	7,900	3.90	1.50	20,700	11,900
Swift	8,500	13,200	3.90	2.10	33,200	28,200
Traverse	5,100	7,100	3.20	2.20	16,300	15,800
Wilkin	5,100	9,400	4.20	2.20	21,400	20,700
Yellow Medicine	6,800	18,100	3.90	1.80	26,500	32,600
West Central	234,100	346,300	3.20	1.70	738,600	586,400
Benton	18,700	25,000	2.50	1.60	46,800	40,500
Carver	22,100	28,600	4.80	1.70	106,100	49,900
Kandiyohi	24,000	36,200	4.00	1.70	96,000	62,400
Mc Leod	16,700	21,100	5.50	2.30	91,900	48,200
Meeker	17,000	25,200	4.40	1.50	74,800	38,600
Morrison	47,600	61,700	2.60	1.40	123,800	85,300
Renville	9,800	13,700	4.00	1.90	39,200	26,400
Scott	17,000	20,800	4.10	2.90	69,700	59,900
Sherburne	12,800	13,200	2.30	1.90	29,400	24,800
Sibley	18,600	27,700	4.50	1.80	83,700	51,000
Stearns	107,100	135,600	3.00	1.60	318,600	210,300
Todd	66,300	82,300	2.80	1.30	185,600	103,500
Wadena	25,500	28,900	2.60	1.30	66,300	37,400
Wright	35,500	53,400	3.50	1.90	124,300	101,500
Central	438,700	573,400	3.30	1.60	1,456,200	939,700

ALFALFA HAY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-ACRES-		-TONS-		-TONS-	
Aitkin	9,000	10,300	3.00	1.50	27,000	15,500
Anoka	10,200	13,500	3.40	1.70	34,700	22,400
Carlton	14,600	18,400	2.50	1.30	36,500	23,900
Chisago	18,300	24,700	3.60	2.00	65,900	48,900
Crow Wing	10,400	14,700	2.40	1.10	25,000	15,800
Hennepin	17,000	20,600	3.50	1.90	59,500	38,800
Isanti	17,000	22,500	2.50	2.20	42,500	49,500
Kanabec	18,900	20,600	2.80	1.50	52,900	31,900
Mille Lacs	15,800	19,300	2.40	1.50	37,900	29,500
Pine	25,100	28,900	2.80	1.50	70,300	43,000
Ramsey	1,000	1,000	2.50	1.90	2,500	1,900
Washington	18,500	26,000	3.50	1.50	64,800	39,900
East Central	175,800	220,500	3.00	1.60	519,500	361,000
Cottonwood	7,100	14,400	4.30	2.30	30,500	33,200
Jackson	4,800	8,900	3.30	2.40	15,800	21,300
Lincoln	19,000	35,000	4.00	2.00	76,000	69,500
Lyon	13,600	25,000	4.90	2.10	66,600	51,800
Murray	15,100	19,800	4.10	2.80	61,900	55,800
Nobles	9,700	19,300	3.90	2.50	37,800	49,000
Pipestone	12,400	16,700	4.20	1.90	52,100	31,700
Redwood	8,500	14,900	4.40	2.10	37,400	31,100
Rock	9,500	15,900	4.10	2.70	39,000	43,300
Southwest	99,700	169,900	4.20	2.30	417,100	386,700
Blue Earth	5,300	8,300	4.40	2.90	23,300	24,100
Brown	11,900	16,200	4.70	2.40	55,900	38,900
Faribault	4,800	7,600	4.50	3.00	21,600	22,800
Freeborn	8,500	15,200	5.00	2.40	42,500	36,600
Le Sueur	12,400	20,300	4.50	2.10	55,800	42,500
Martin	6,900	11,500	4.60	3.00	31,700	35,000
Nicollet	7,200	9,100	4.80	1.90	34,600	17,400
Rice	20,700	30,100	5.00	2.10	103,500	63,400
Steele	8,900	13,000	4.80	2.20	42,700	29,100
Waseca	7,000	10,300	4.00	2.70	28,000	27,800
Watonwan	3,400	6,100	4.80	2.30	16,300	14,200
South Central	97,000	147,700	4.70	2.40	455,900	351,800
Dakota	14,900	23,500	3.70	1.80	55,100	42,700
Dodge	14,700	22,300	5.00	2.70	73,500	60,400
Fillmore	47,600	76,900	4.40	2.30	209,400	175,100
Goodhue	56,000	77,900	4.00	2.70	224,000	208,900
Houston	35,000	55,100	4.90	2.70	171,500	149,200
Mower	17,000	30,600	3.60	2.40	61,200	74,300
Olmsted	38,000	50,400	4.00	2.00	152,000	100,300
Wabasha	39,100	59,000	4.40	3.00	172,000	176,700
Winona	46,700	69,000	4.40	2.90	205,500	200,700
Southeast	309,000	464,700	4.30	2.60	1,324,200	1,188,300
Minnesota	1,700,000	2,400,000	3.50	1.90	5,950,000	4,560,000

BARLEY: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Becker	45,700	46,800	34,600	39,200	56.0	40.0	1,937,600	1,568,000
Clay	75,700	81,500	56,700	54,700	60.0	32.0	3,402,000	1,750,400
Clearwater	5,500	7,200	4,500	6,100	44.0	36.0	198,000	219,600
Kittson	82,900	86,200	52,500	43,100	62.0	21.0	3,255,000	905,100
Mahnomen	63,800	64,400	51,800	54,100	57.0	46.0	2,952,600	2,488,600
Marshall	149,500	157,200	109,800	100,600	58.0	29.0	6,368,400	2,917,400
Norman	124,600	135,100	85,600	87,800	54.0	45.0	4,622,400	3,951,000
Pennington	48,100	49,800	35,600	42,300	56.0	30.0	1,993,600	1,269,000
Polk	220,600	232,500	147,600	159,200	60.0	37.0	8,856,000	5,890,400
Red Lake	40,000	42,500	30,000	35,700	57.0	26.0	1,710,000	928,200
Roseau	83,200	82,100	66,000	55,800	51.0	25.0	3,366,000	1,395,000
Northwest	939,600	985,300	674,700	678,600	57.3	34.3	38,661,600	23,282,700
Beltrami	3,700	3,800	2,200	3,200	29.0	30.0	63,800	96,000
Hubbard	2,900	3,100	1,800	1,900	26.0	24.0	46,800	45,600
Koochiching	1,900	1,800	1,100	1,600	35.0	41.0	38,500	65,600
Lake of the Woods	6,500	6,800	4,600	5,800	45.0	39.0	207,000	226,200
Other Counties	600	700	400	500	27.5	30.2	11,000	15,100
North Central	15,600	16,200	10,100	13,000	36.3	34.5	367,100	448,500
St.Louis	700	700	400	400	24.0	33.0	9,600	13,200
Northeast	700	700	400	400	24.0	33.0	9,600	13,200
Big Stone	8,300	8,600	6,900	2,400	61.0	19.0	420,900	45,600
Chippewa	1,000	1,200	600	500	65.0	25.0	39,000	12,500
Douglas	5,800	6,200	4,400	3,400	49.0	18.0	215,600	61,200
Grant	34,600	34,000	29,000	22,100	58.0	20.0	1,682,000	442,000
Lac Qui Parle	500	500	400	300	54.0	18.0	21,600	5,400
Otter Tail	38,800	39,400	29,100	23,600	50.0	19.0	1,455,000	448,400
Pope	4,600	3,800	3,300	2,500	56.0	19.0	184,800	47,500
Stevens	17,600	17,800	12,600	11,700	63.0	18.0	793,800	210,600
Swift	1,900	2,100	1,000	1,300	58.0	20.0	58,000	26,000
Traverse	30,800	29,500	22,500	19,800	63.0	20.0	1,417,500	396,000
Wilkin	77,900	79,400	58,400	54,000	60.0	25.0	3,504,000	1,350,000
Yellow Medicine	600	600	400	400	63.0	21.0	25,200	8,400
West Central	222,400	223,100	168,600	142,000	58.2	21.5	9,817,400	3,053,600
Benton	600	500	400	400	35.0	25.0	14,000	10,000
Morrison	1,000	1,000	700	200	24.0	23.0	16,800	4,600
Stearns	4,700	5,200	3,700	3,400	50.0	16.0	185,000	54,400
Todd	4,000	4,800	2,600	2,400	40.0	16.0	104,000	38,400
Wadena	1,500	1,500	1,000	600	25.0	16.0	25,000	9,600
Other Counties	1,200	1,800	1,000	1,300	49.0	27.3	49,000	35,500
Central	13,000	14,800	9,400	8,300	41.9	18.4	393,800	152,500
Aitkin	500	500	300	400	45.0	32.0	13,500	12,800
Other Counties	1,400	1,900	1,000	1,600	30.5	22.9	30,500	36,600
East Central	1,900	2,400	1,300	2,000	33.8	24.7	44,000	49,400
Lincoln	800	600	700	600	57.0	28.0	39,900	16,800
Other Counties	1,500	1,200	1,300	1,000	54.2	23.9	70,400	29,300
Southwest	2,300	1,800	2,000	1,600	55.2	28.8	110,300	46,100
South Central	800	1,100	800	1,000	53.4	34.9	42,700	34,900
Goodhue	1,300	900	900	800	51.0	44.0	45,900	35,200
Wabasha	600	1,300	400	800	53.0	40.0	21,200	32,000
Winona	500	900	400	600	55.0	35.0	22,000	21,000
Other Counties	1,300	1,500	1,000	900	54.4	34.3	54,400	30,900
Southeast	3,700	4,600	2,700	3,100	53.1	38.4	143,500	119,100
Minnesota	1,200,000	1,250,000	870,000	850,000	57.0	32.0	49,590,000	27,200,000

FLAX: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Kittson	1,700	1,900	1,700	800	24.0	5.0	40,800	4,000
Marshall	2,800	2,000	2,300	900	16.0	11.0	36,800	9,900
Pennington	1,100	1,300	1,000	1,200	13.0	9.0	13,000	10,800
Roseau	3,400	5,300	3,300	4,300	16.0	10.0	52,800	43,000
Other Counties	3,300	1,900	3,000	1,300	14.9	11.6	44,600	15,100
Northwest	12,300	12,400	11,300	8,500	16.6	9.7	188,000	82,800
Lake Of The Woods	1,200	900	1,200	900	11.0	13.0	13,200	11,700
Other Counties	100	300	100	300	10.0	11.3	1,000	3,400
North Central	1,300	1,200	1,300	1,200	10.9	12.6	14,200	15,100
West Central	800	1,100	800	1,000	12.3	9.2	9,800	9,200
Central	0	200	0	200	0.0	8.0	0	1,600
Southwest	600	100	600	100	20.0	13.0	12,000	1,300
Minnesota	15,000	15,000	14,000	11,000	16.0	10.0	224,000	110,000

RYE: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-BUSHELS-		-BUSHELS-	
Becker	800	900	700	800	35.0	24.0	24,500	19,200
Clay	1,100	800	800	600	34.0	22.0	27,200	13,200
Kittson	700	800	500	600	40.0	25.0	20,000	15,000
Mahnomen	800	600	700	400	35.0	25.0	24,500	10,000
Marshall	1,400	2,200	800	1,300	35.0	28.0	28,000	36,400
Norman	700	800	400	600	35.0	32.0	14,000	19,200
Polk	1,100	1,300	800	1,000	34.0	30.0	27,200	30,000
Roseau	1,100	6,200	900	5,300	42.0	30.0	37,800	159,000
Other Counties	1,100	1,700	800	1,200	32.3	22.8	25,800	27,400
Northwest	8,800	15,300	6,400	11,800	35.8	27.9	229,000	329,400
North Central	1,300	3,200	700	1,800	29.3	26.1	20,500	46,900
Northeast	100	0	0	0	0.0	0.0	0	0
Big Stone	3,400	2,400	1,500	500	31.0	17.0	46,500	8,500
Douglas	2,800	1,700	1,400	1,200	35.0	16.0	49,000	19,200
Lac Qui Parle	1,000	700	500	400	32.0	17.0	16,000	6,800
Otter Tail	4,400	3,600	2,900	1,200	27.0	20.0	78,300	24,000
Pope	1,500	800	300	300	32.0	15.0	9,600	4,500
Stevens	1,300	700	900	500	33.0	18.0	29,700	9,000
Swift	2,300	2,100	500	500	32.0	17.0	16,000	8,500
Traverse	2,400	1,800	800	600	34.0	15.0	27,200	9,000
Other Counties	2,900	1,500	1,600	800	34.1	16.9	54,600	13,500
West Central	22,000	15,300	10,400	6,000	31.4	17.2	326,900	103,000
Benton	2,500	2,300	1,600	1,700	26.0	17.0	41,600	28,900
Kandiyohi	1,000	500	500	300	33.0	24.0	16,500	7,200
Mc Leod	700	600	400	400	29.0	26.0	11,600	10,400
Meeker	1,300	1,000	900	600	30.0	27.0	27,000	16,200
Morrison	2,100	2,600	1,400	2,100	30.0	16.0	42,000	33,600
Scott	1,100	500	800	300	34.0	20.0	27,200	6,000
Sherburne	9,600	10,500	5,500	5,100	25.0	20.0	137,500	102,000
Stearns	3,100	3,500	1,700	400	28.0	20.0	47,600	8,000
Todd	1,100	900	300	300	29.0	16.0	8,700	4,800
Wadena	500	600	300	200	25.0	19.0	7,500	3,800
Wright	1,600	1,200	1,100	500	28.0	15.0	30,800	7,500
Other Counties	900	500	500	200	31.6	24.5	15,800	4,900
Central	25,500	24,700	15,000	12,100	27.6	19.3	413,800	233,300
Aitkin	900	500	500	400	30.0	25.0	15,000	10,000
Anoka	2,200	1,800	1,400	400	29.0	18.0	40,600	7,200
Chisago	2,900	3,300	1,800	2,600	27.0	28.0	48,600	72,800
Hennepin	600	500	400	200	26.0	12.0	10,400	2,400
Isanti	4,000	4,500	1,700	2,800	27.0	25.0	45,900	70,000
Other Counties	2,200	2,500	1,100	1,500	27.4	24.5	30,100	36,800
East Central	12,800	13,100	6,900	7,900	27.6	25.2	190,600	199,200
Southwest	1,400	1,200	500	100	31.2	28.0	15,600	2,800
South Central	2,100	1,300	0	100	0.0	24.0	0	2,400
Southeast	1,000	900	100	200	36.0	15.0	3,600	3,000
Minnesota	75,000	75,000	40,000	40,000	30.0	23.0	1,200,000	920,000

POTATOES: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, MINNESOTA, 1987-88

COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	ACRES		ACRES		CWT.		CWT.	
Clay	5,900	6,300	5,800	6,200	185.0	105.0	1,073,000	651,000
Kittson	4,400	4,500	4,300	4,400	160.0	110.0	688,000	484,000
Marshall	10,900	11,800	10,800	11,700	165.0	100.0	1,782,000	1,170,000
Norman	1,400	1,400	1,300	1,300	160.0	145.0	208,000	188,500
Polk	24,300	22,700	24,100	22,300	185.0	120.0	4,458,500	2,676,000
Lake of the Woods	800	800	800	800	155.0	200.0	124,000	160,000
Wilkin	900	800	800	800	145.0	90.0	116,000	72,000
Sherburne	4,900	4,700	4,800	4,500	305.0	265.0	1,462,000	1,192,000
Anoka	700	600	700	600	300.0	215.0	210,000	129,000
Freeborn	3,200	3,400	3,100	3,300	255.0	200.0	790,500	660,000
All Other Counties	21,100	18,900	20,900	18,800	351.0	328.0	7,338,000	6,174,500
MINNESOTA	78,500	75,900	77,400	74,700	236.0	181.0	18,250,000	13,557,000

SUGARBEETS: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, MINNESOTA, 1987-88

COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	ACRES		ACRES		TONS		TONS	
Clay	49,000	53,400	49,000	52,600	19.7	13.5	963,100	708,000
Kittson	17,600	19,500	17,600	18,800	17.0	10.3	299,200	194,000
Marshall	21,500	23,000	21,500	22,500	17.4	11.5	374,400	258,000
Norman	27,900	30,400	27,300	29,800	20.2	16.0	551,000	476,000
Polk	89,500	98,000	89,500	97,700	19.7	12.8	1,764,900	1,253,000
Chippewa	22,900	23,200	22,900	23,000	23.1	17.1	529,800	394,000
Grant	7,500	6,800	7,400	6,600	20.0	15.0	147,700	99,000
Otter Tail	900	1,400	900	1,300	19.3	12.3	17,400	16,000
Stevens	700	900	700	900	20.0	12.2	14,000	11,000
Swift	4,500	5,100	4,500	4,900	18.7	14.9	84,200	73,000
Traverse	4,900	6,100	4,900	5,900	18.8	12.2	92,300	72,000
Wilkin	25,100	28,500	25,000	27,900	19.1	15.2	478,500	423,000
Yellow Medicine	1,600	2,100	1,600	2,100	18.3	15.7	29,200	33,000
Kandiyohi	5,400	5,500	5,400	5,400	23.4	19.3	126,300	104,000
Meeker	900	1,100	900	1,000	23.8	20.0	21,400	20,000
Renville	27,400	29,000	27,300	28,600	23.3	18.8	635,300	537,000
Sibley	1,200	1,600	1,200	1,600	19.2	15.6	23,000	25,000
Redwood	1,300	1,600	1,200	1,600	19.6	15.0	23,500	24,000
All Other Counties	1,200	1,800	1,200	1,800	20.7	12.8	24,800	23,000
MINNESOTA	311,000	339,000	310,000	334,000	20.0	14.2	6,200,000	4,743,000

DRY EDIBLE BEANS: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-POUNDS-		-CWT-	
Becker	1,500	900	1,500	900	1,400	800	21,000	7,200
Clay	2,000	2,200	1,900	2,100	1,600	700	30,400	14,700
Kittson	600	900	600	800	1,000	600	6,000	4,800
Marshall	9,700	6,700	9,500	6,500	1,400	700	133,000	45,500
Norman	1,200	1,400	1,100	1,300	1,500	600	16,500	7,800
Polk	13,900	10,900	13,600	10,400	1,450	900	197,225	93,600
Other Counties	800	500	800	500	1,375	780	11,100	3,900
Northwest	29,700	23,500	29,000	22,500	1,432	789	415,225	177,500
Hubbard	4,100	4,900	4,100	4,200	1,650	1,200	67,650	50,400
Other Counties	300	100	300	100	1,100	900	3,300	900
North Central	4,400	5,000	4,400	4,300	1,612	1,193	70,950	51,300
Chippewa	1,800	1,400	1,800	1,300	2,300	300	41,400	3,900
Grant	2,700	1,400	2,700	1,100	1,600	800	43,200	8,800
Lac Qui Parle	600	500	600	400	1,600	700	9,600	2,800
Otter Tail	6,600	5,100	6,400	4,300	1,800	900	115,200	38,700
Pope	800	600	800	500	1,700	900	13,600	4,500
Stevens	1,700	800	1,700	700	2,000	900	34,000	6,300
Swift	3,800	2,800	3,700	2,500	1,450	800	53,650	20,000
Traverse	2,100	2,000	2,100	1,900	1,400	800	29,400	15,200
Wilkin	900	1,000	900	900	1,100	500	9,900	4,500
Yellow Medicine	1,200	1,000	1,200	900	1,800	500	21,600	4,500
Other Counties	1,000	900	1,000	900	1,375	844	13,750	7,600
West Central	23,200	17,500	22,900	15,400	1,683	758	385,300	116,800
Benton	1,200	600	1,200	600	2,000	800	24,000	4,800
Kandiyohi	1,500	800	1,500	800	1,700	700	25,500	5,600
Meeker	500	900	500	800	1,450	800	7,250	6,400
Morrison	900	600	900	600	1,500	500	13,500	3,000
Renville	4,400	5,000	4,400	4,500	2,000	500	88,000	22,500
Stearns	900	1,500	900	1,400	1,500	800	13,500	11,200
Wadena	700	1,100	700	1,000	1,325	1,000	9,275	10,000
Other Counties	1,900	1,400	1,900	1,400	1,650	900	31,350	12,600
Central	12,000	11,900	12,000	11,100	1,770	686	212,375	76,100
East Central	100	200	100	200	1,300	800	1,300	1,600
Nobles	1,700	900	1,700	800	2,000	800	34,000	6,400
Redwood	700	600	700	500	2,100	400	14,700	2,000
Other Counties	1,500	1,900	1,500	1,700	1,507	735	22,600	12,500
Southwest	3,900	3,400	3,900	3,000	1,828	697	71,300	20,900
South Central	1,100	2,800	1,100	2,800	1,741	1,082	19,150	30,300
Southeast	600	700	600	700	1,400	786	8,400	5,500
Minnesota	75,000	65,000	74,000	60,000	1,600	800	1,184,000	480,000

ALL SUNFLOWERS: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-POUNDS-		-POUNDS-	
Clay	4,700	1,400	4,600	1,000	1,460	1,400	6,720,000	1,400,000
Kittson	4,500	8,400	4,300	4,800	1,767	984	7,600,000	4,725,000
Marshall	13,900	7,200	13,700	5,900	1,589	1,432	21,770,000	8,450,000
Norman	8,300	2,600	7,900	2,500	1,072	1,584	8,475,000	3,960,000
Pennington	19,800	9,900	19,500	8,500	1,361	1,530	26,545,000	13,005,000
Polk	16,700	11,300	16,200	10,300	1,555	1,459	25,205,000	15,035,000
Red Lake	10,100	5,500	9,900	4,500	1,463	1,533	14,490,000	6,900,000
Roseau	8,500	7,700	8,400	5,700	1,550	1,136	13,020,000	6,480,000
Other Counties	2,000	400	2,000	400	1,163	1,238	2,325,000	495,000
Northwest	88,500	54,400	86,500	43,600	1,458	1,386	126,150,000	60,450,000
Lake of the Woods	500	500	500	500	1,400	900	700,000	450,000
Other Counties	100	900	100	800	650	944	65,000	755,000
North Central	600	1,400	600	1,300	1,275	926	765,000	1,205,000
Northeast	100	0	100	0	1,350	0	135,000	0
West Central	700	2,200	700	2,100	1,214	1,140	850,000	2,395,000
Southeast	100	0	100	0	1,500	0	150,000	0
Minnesota	90,000	58,000	88,000	47,000	1,455	1,363	128,050,000	64,050,000

SWEET CORN FOR PROCESSING: ACREAGE, YIELD AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-TONS-		-TONS-	
Pope	900	800	700	800	6.3	3.0	4,410	2,400
Swift	800	800	600	800	6.5	3.6	3,900	2,880
Other Counties	800	400	700	400	6.4	2.5	4,470	980
West Central	2,500	2,000	2,000	2,000	6.4	3.1	12,780	6,260
Kandiyohi	3,200	3,000	2,800	3,000	6.6	2.5	18,480	7,500
Mc Leod	5,500	6,000	4,700	6,000	6.5	4.8	30,550	28,800
Meeker	2,900	2,500	2,400	2,500	6.3	2.4	15,120	6,000
Renville	14,700	14,400	12,600	13,900	6.8	3.3	85,680	45,870
Sherburne	2,100	2,000	1,800	2,000	6.5	4.5	11,700	9,000
Sibley	7,300	6,700	6,400	6,400	6.6	5.1	42,240	32,640
Stearns	1,700	1,400	1,500	1,200	6.3	2.0	9,450	2,400
Wright	1,400	1,200	1,100	1,200	6.5	4.5	7,150	5,400
Other Counties	400	500	400	500	6.6	4.8	2,650	2,400
Central	39,200	37,700	33,700	36,700	6.6	3.8	223,020	140,010
East Central	100	500	100	500	6.3	4.2	630	2,090
Redwood	4,600	5,200	3,900	5,000	6.5	3.3	25,350	16,500
Other Counties	100	100	100	100	6.3	3.6	630	360
Southwest	4,700	5,300	4,000	5,100	6.5	3.3	25,980	16,860
Blue Earth	3,800	3,400	3,000	3,400	6.4	4.2	19,200	14,280
Brown	4,900	4,000	4,100	4,000	6.6	4.8	27,060	19,200
Faribault	11,300	8,900	9,800	8,900	6.3	4.8	61,740	42,720
Freeborn	2,500	2,600	2,200	2,600	6.7	6.5	14,740	16,900
Le Sueur	2,500	3,000	2,200	3,000	6.8	3.3	14,960	9,900
Martin	4,400	4,100	3,900	4,100	6.2	4.4	24,180	18,040
Nicollet	2,400	2,800	2,100	2,800	6.3	3.5	13,230	9,800
Rice	700	700	600	700	6.7	4.8	4,020	3,360
Steele	2,300	2,200	2,000	2,200	6.5	3.9	13,000	8,580
Waseca	4,100	4,900	3,500	4,900	6.7	4.3	23,450	21,070
Watonwan	2,100	1,900	1,800	1,900	6.3	5.1	11,340	9,690
South Central	41,000	38,500	35,200	38,500	6.5	4.5	226,920	173,540
Dakota	5,300	5,800	4,400	5,400	6.2	5.8	27,280	31,320
Dodge	13,500	13,100	11,900	13,000	6.4	4.8	76,160	62,400
Goodhue	10,200	10,500	8,800	9,500	6.7	5.2	58,960	49,400
Mower	5,400	5,800	4,700	5,700	6.3	5.3	29,610	30,210
Olmsted	3,900	4,200	3,400	4,100	6.4	3.8	21,760	15,580
Wabasha	4,000	4,200	3,200	4,100	6.6	4.4	21,120	18,040
Other Counties	800	1,100	800	1,100	6.4	4.4	5,080	4,860
Southeast	43,100	44,700	37,200	42,900	6.5	4.9	239,970	211,810
Minnesota	130,600	128,700	112,200	125,700	6.5	4.4	729,300	550,570

GREEN PEAS FOR PROCESSING: ACREAGE, YIELD, AND PRODUCTION BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	PLANTED ACREAGE		HARVESTED ACREAGE		YIELD PER HARVESTED ACRE		PRODUCTION	
	1987	1988	1987	1988	1987	1988	1987	1988
	-ACRES-		-ACRES-		-TONS-		-TONS-	
Kandiyohi	1,300	1,500	1,200	1,500	1.3	0.4	1,600	600
Mc Leod	3,800	2,700	3,600	2,400	1.4	0.6	5,030	1,440
Meeker	3,000	2,100	2,900	2,100	1.1	0.6	3,100	1,260
Renville	10,800	10,600	10,000	10,600	1.2	0.5	12,100	5,300
Scott	600	600	600	400	1.1	0.3	670	120
Sibley	3,800	4,100	3,300	4,000	1.3	0.3	4,300	1,200
Other Counties	1,000	1,000	1,000	1,000	1.0	0.4	980	430
Central	24,300	22,600	22,600	22,000	1.2	0.5	27,780	10,350
East Central	200	200	200	200	1.1	0.7	220	140
Southwest	3,700	4,400	3,600	4,400	1.5	0.5	5,330	2,200
Blue Earth	3,000	2,400	2,800	2,200	1.4	0.9	3,940	1,980
Brown	3,600	2,900	3,400	2,900	1.5	0.8	5,030	2,320
Faribault	7,400	6,000	7,000	6,000	1.3	0.8	9,060	4,800
Freeborn	1,400	1,000	1,300	1,000	1.3	0.8	1,740	800
Le Sueur	2,700	3,000	2,400	3,000	1.2	0.4	2,750	1,200
Martin	2,900	2,300	2,200	2,300	1.5	0.8	3,190	1,840
Nicollet	3,800	4,000	3,200	4,000	1.0	0.3	3,130	1,200
Rice	600	600	600	600	1.6	0.6	980	360
Steele	1,700	1,500	1,500	1,400	1.7	0.9	2,610	1,260
Waseca	2,200	2,800	2,000	2,800	1.2	0.8	2,330	2,240
Watonwan	1,300	1,100	1,100	1,100	1.3	0.6	1,400	660
South Central	30,600	27,600	27,500	27,300	1.3	0.7	36,160	18,660
Dakota	3,200	1,800	3,000	1,800	1.2	0.6	3,460	1,080
Dodge	3,600	3,600	3,500	3,600	1.3	0.6	4,530	2,160
Goodhue	4,500	5,200	4,300	5,200	1.6	1.1	7,040	5,720
Mower	5,700	5,200	5,500	5,100	1.4	0.9	7,830	4,590
Olmstead	2,600	3,000	2,500	3,000	1.9	1.0	4,860	3,000
Wabasha	3,100	2,300	3,100	2,300	2.1	1.3	6,480	2,990
Other Counties	500	500	500	500	1.7	0.8	840	380
Southeast	23,200	21,600	22,400	21,500	1.6	0.9	35,040	19,920
Minnesota	82,000	76,400	76,300	75,400	1.4	0.7	104,530	51,270

AVERAGE COMPLETION DATES FOR MINNESOTA PLANTING AND HARVESTING

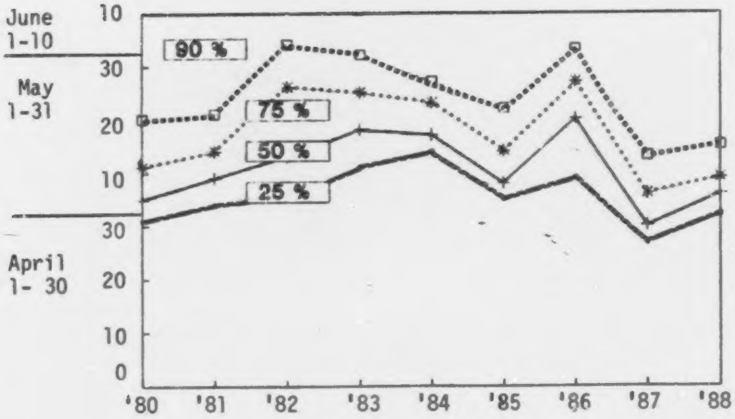
Crop and Year	Date PLANTING Completed					Date HARVESTING Completed				
	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent
Corn:										
1988	Apr 26	May 2	May 6	May 9	May 15	Sep 14	Sep 25	Oct 5	Oct 14	Oct 21
1987	Apr 23	Apr 27	Apr 30	May 6	May 13	Sep 27	Oct 5	Oct 10	Oct 17	Oct 26
1984-88	Apr 28	May 4	May 9	May 19	May 26	Sep 29	Oct 9	Oct 24	Nov 4	Nov 14
Soybeans:										
1988	May 6	May 10	May 15	May 22	May 29	Sep 13	Sep 18	Sep 28	Oct 5	Oct 12
1987	May 4	May 8	May 14	May 22	May 29	Sep 20	Sep 28	Oct 1	Oct 6	Oct 10
1984-88	May 8	May 14	May 22	May 29	Jun 5	Sep 21	Sep 30	Oct 8	Oct 24	Nov 1
Spring Wheat:										
1988	Apr 11	Apr 15	Apr 22	Apr 27	May 3	Jul 17	Jul 24	Aug 1	Aug 11	Aug 14
1987	Apr 9	Apr 16	Apr 22	Apr 28	May 3	Jul 27	Jul 31	Aug 6	Aug 12	Aug 16
1984-88	Apr 15	Apr 21	Apr 29	May 9	May 22	Jul 27	Aug 4	Aug 13	Aug 25	Sep 11
Oats:										
1988	Apr 5	Apr 13	Apr 19	Apr 25	Apr 30	Jul 11	Jul 14	Jul 21	Jul 27	Aug 8
1987	Apr 3	Apr 10	Apr 17	Apr 24	May 1	Jul 15	Jul 21	Jul 29	Aug 2	Aug 12
1984-88	Apr 10	Apr 17	Apr 25	May 5	May 19	Jul 16	Jul 24	Aug 2	Aug 12	Aug 21
Barley:										
1988	Apr 10	Apr 15	Apr 23	Apr 30	May 5	Jul 15	Jul 23	Jul 28	Aug 5	Aug 11
1987	Apr 15	Apr 21	Apr 25	Apr 30	May 5	Jul 23	Jul 28	Jul 31	Aug 6	Aug 12
1984-88	Apr 17	Apr 24	May 1	May 13	May 24	Jul 24	Jul 29	Aug 6	Aug 16	Aug 28
Flax:										
1988	Apr 29	May 9	May 18	May 26	May 30	Aug 20	Aug 26	Sep 8	Sep 19	Oct 2
1987	Apr 30	May 6	May 12	May 17	May 28	Aug 13	Aug 20	Aug 27	Sep 8	Sep 15
1984-88	May 4	May 12	May 22	May 31	Jun 8	Aug 20	Aug 21	Sep 9	Oct 1	Oct 23
Sunflowers:										
1988	May 4	May 9	May 16	May 24	May 30	Sep 15	Sep 21	Sep 28	Oct 13	Oct 16
1987	May 1	May 7	May 12	May 18	May 30	Sep 26	Oct 7	Oct 15	Oct 20	Oct 23
1984-88	May 7	May 14	May 23	Jun 2	Jun 7	Sep 24	Oct 9	Oct 20	Oct 30	Nov 7
Alfalfa Hay: 1/										
1988	Not Applicable					May 25	Jun 3	Jun 9	Jun 14	Jun 19
1987						May 25	Jun 3	Jun 10	Jun 15	Jun 20
1984-88						May 27	Jun 5	Jun 12	Jun 21	Jun 30
Winter Wheat:										
1988	Aug 21	Aug 30	Sep 5	Sep 13	Sep 21	Jul 2	Jul 8	Jul 14	Jul 20	Jul 24
1987	Aug 20	Aug 28	Sep 4	Sep 11	Sep 18	Jul 13	Jul 17	Jul 23	Jul 29	Aug 5
1984-88	Aug 25	Sep 1	Sep 10	Sep 19	Oct 2	Jul 12	Jul 20	Jul 28	Aug 5	Aug 13
Rye:										
1988	Aug 17	Aug 24	Sep 4	Sep 11	Sep 21	Jul 3	Jul 8	Jul 14	Jul 18	Jul 23
1987	Aug 20	Aug 28	Sep 3	Sep 11	Sep 19	Jul 13	Jul 16	Jul 22	Jul 28	Aug 5
1984-88	Aug 23	Sep 1	Sep 10	Sep 20	Oct 2	Jul 12	Jul 18	Jul 28	Aug 6	Aug 13
Sugarbeets:										
1988	Apr 12	Apr 17	Apr 21	Apr 25	Apr 30	Oct 3	Oct 5	Oct 8	Oct 14	Oct 17
1987	Apr 20	Apr 22	Apr 25	Apr 29	May 2	Sep 18	Oct 1	Oct 7	Oct 10	Oct 17
1984-88	Apr 19	Apr 24	May 1	May 10	May 19	Sep 26	Oct 4	Oct 9	Oct 17	Oct 25

1/ First cutting.

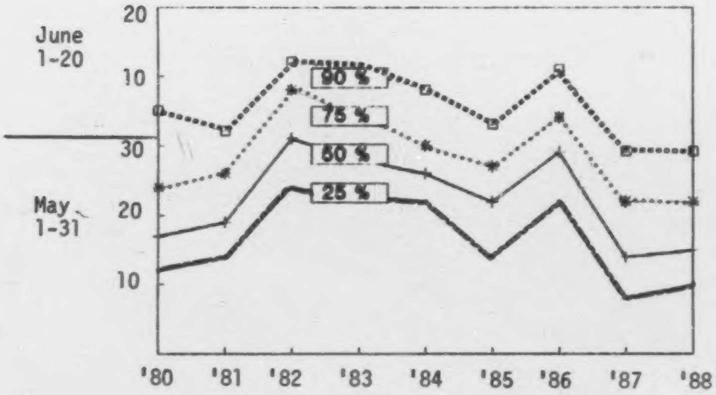
MINNESOTA PLANTING PROGRESS

1980-88

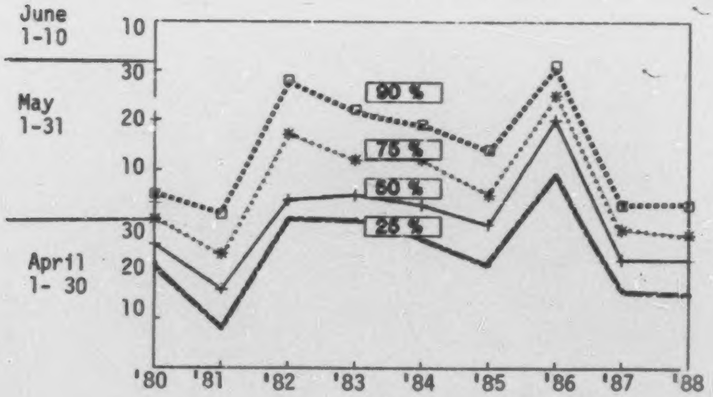
Corn



Soybeans

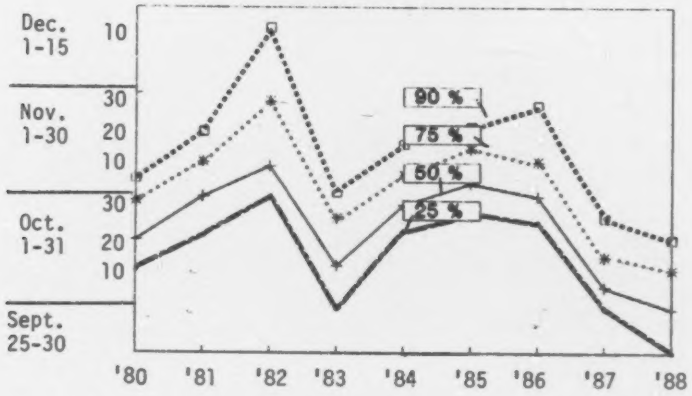


Wheat

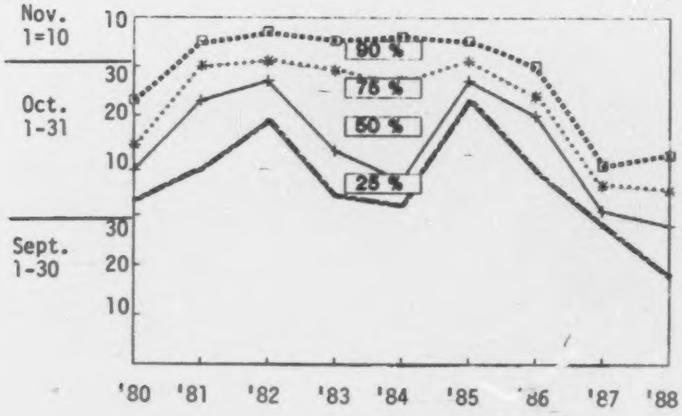


MINNESOTA HARVESTING PROGRESS
1980-88

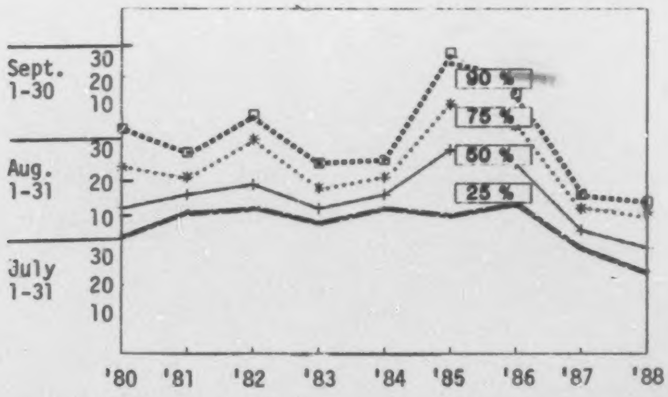
Corn



Soybeans



Wheat



Paddy Wild Rice

(Information Provided by the Minnesota Paddy
Wild Rice Research and Promotion Council)

Wild rice is the only cereal grain to be domesticated from the wild crop in the United States. In 1977, the State Legislature designated wild rice as Minnesota's official State Grain. The cultivated crop is grown in the northern one-half of the state on an estimated 20,000 acres in the counties of Aitkin, Beltrami, St. Louis, Itasca, Cass, Lake of the Woods, Koochiching, Clearwater, Polk, and Red Lake.

In 1988, the cultivated wild rice production was 4,200,000 processed pounds, the same as 1987 production. The drought was the main cause for a lack of increase in production. Markets are growing, but our industry is still burdened with an oversupply from the triple increase in California production in 1986. Average wholesale prices in Minnesota are holding at about $1.50 per pound, which is below the cost of production for Minnesota wild rice farmers.

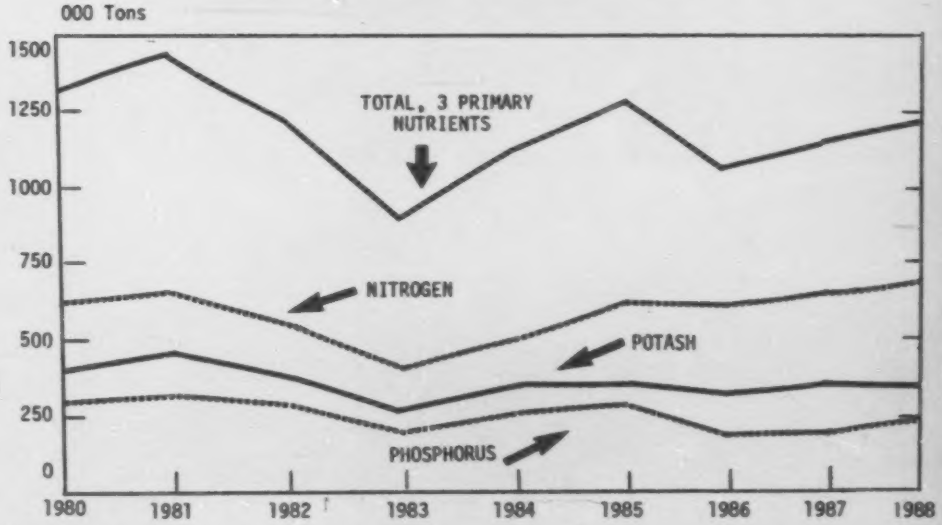
Fertilizer Use

Minnesota fertilizer consumption totaled 2.0 million tons for the year ending June 30, 1988, up 1% from the previous year. Minnesota was the 6th ranking state in total tonnage.

Usage of the primary nutrients is shown on the chart; nitrogen was up 1% from 1987 while phosphate usage gained 9%; potash use slipped 1%.

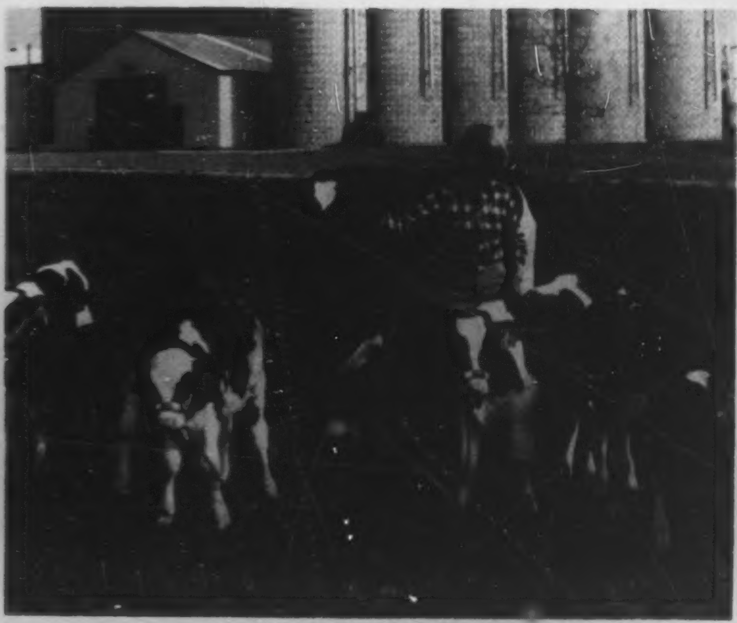
Fertilizer consumption represents all commercial fertilizer sold or shipped for farm and non-farm use as fertilizer.

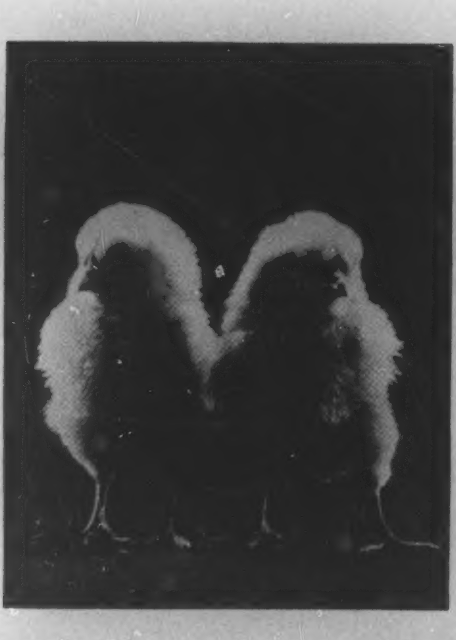
MINNESOTA'S USE OF PRIMARY NUTRIENTS AS FERTILIZER



SECTION 3

LIVESTOCK, DAIRY, POULTRY





Livestock

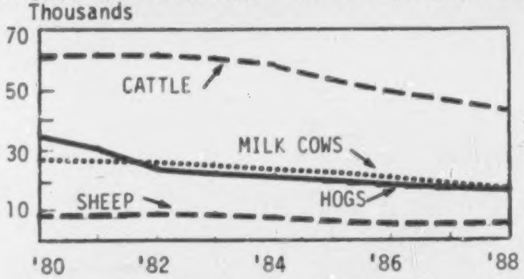
Photo by Janet Wieman

Cattle numbers on Minnesota farms on January 1, 1989 were up 1% from a year earlier. Minnesota's 1988 calf crop at 1,190,000 head was 1% above 1987. Meanwhile, sheep and lamb numbers were 2% above January 1, 1988. The inventory of all hogs on December 1, 1988 was 4% above the previous year; farrowings at 1,000,000 head in 1988 were up 8%. A crop of 7,971,000 pigs was produced in the state during 1988, an increase of 8% from 1987. The average yearly litter rate of 7.97 pigs was down slightly from 1987. All chickens on farms were down 2%.

The combined value of all livestock and poultry on Minnesota farms was $2,309 million. All cattle and calves, valued at $1,955 million were up 12% from a year ago. The value of hogs on hand on December 1, 1988 accounted for $317 million, down 6%; all sheep and lambs, $20.6 million, down 14%; and all chickens $17.0 million, down 2%.

The number of operations with cattle in 1988 fell 3,000 while milk cow operations decreased 2,000 and beef cow operations were unchanged. Hog operations were unchanged at 16,500 and sheep operations were also unchanged.

MINNESOTA FARMS WITH LIVESTOCK *



*Operations having 1 or more head of species on hand at any time during the year. Addition may exceed total farms in the state.

MINNESOTA NUMBER OF LIVESTOCK OPERATIONS 1/

YEAR	-- NUMBER OF OPERATIONS WITH --				
	CATTLE	MILK COWS	BEEF COWS	HOGS	SHEEP
1984	58,000	24,000	NA	21,000	7,000
1985	53,000	23,000	NA	19,500	6,000
1986	49,000	21,000	17,500	18,000	4,800
1987	46,000	19,000	16,000	16,500	4,800
1988	43,000	17,000	16,000	16,500	4,800

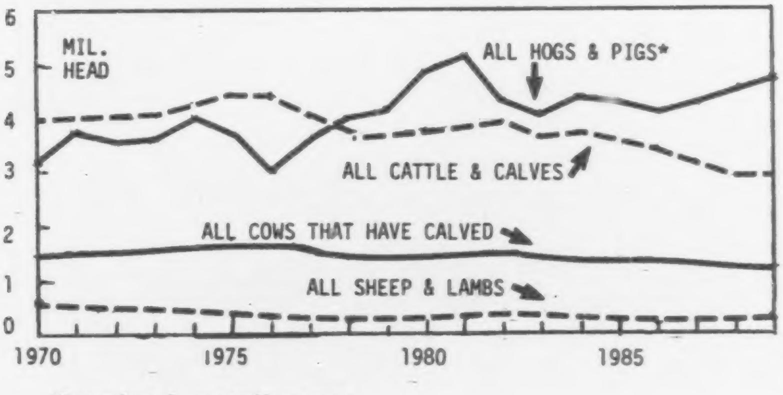
1/ An operation is any farm having one or more head of the species on hand at any time during the year.

RECORD HIGHS IN LIVESTOCK, DAIRY, AND POULTRY PRODUCTION

Item	Number	Record High Date
ALL CATTLE INVENTORIES:		
Minnesota	4,518,000	Jan. 1, 1964 & 1965
BEEF COWS:		
Minnesota	751,000	1976
MILK COWS:		
Minnesota	1,893,000	1934
CATTLE ON FEED:		
Minnesota	589,000	Jan. 1, 1970
CALVES BORN:		
Minnesota	1,867,000	1944
ALL HOGS BY QUARTERS:		
MARCH 1: 1/		
Minnesota	4,950,000	1980
JUNE 1: 2/		
Minnesota	5,928,000	1951
SEPTEMBER 1: 1/		
Minnesota	5,518,000	1955
DECEMBER 1: 1/		
Minnesota	5,100,000	1980
ANNUAL PIGS PER LITTER:		
Minnesota	8.00	1986 & 1987
United States	7.76	1987
ANNUAL PIG CROP:		
Minnesota	8,937,000	1980
ANNUAL MILK PRODUCTION: (Mil. Lbs.)		
Minnesota	11,155	1964
United States	145,527	1988
MILK PRODUCTION PER COW: (Lbs.)		
Minnesota	12,983	1988
United States	14,378	1988
ALL SHEEP & LAMBS:		
Minnesota	1,496,000	Jan. 1, 1943
STOCK SHEEP:		
Minnesota	1,201,000	1942 & 1943
LAMB CROP:		
Minnesota	1,015,000	1942
ALL CHICKENS:		
Minnesota	31,742,000	Dec. 1, 1944
EGGS PER LAYER:		
Minnesota	250	1988
United States	251	1988
TURKEYS RAISED:		
Minnesota	40,500,000	1987

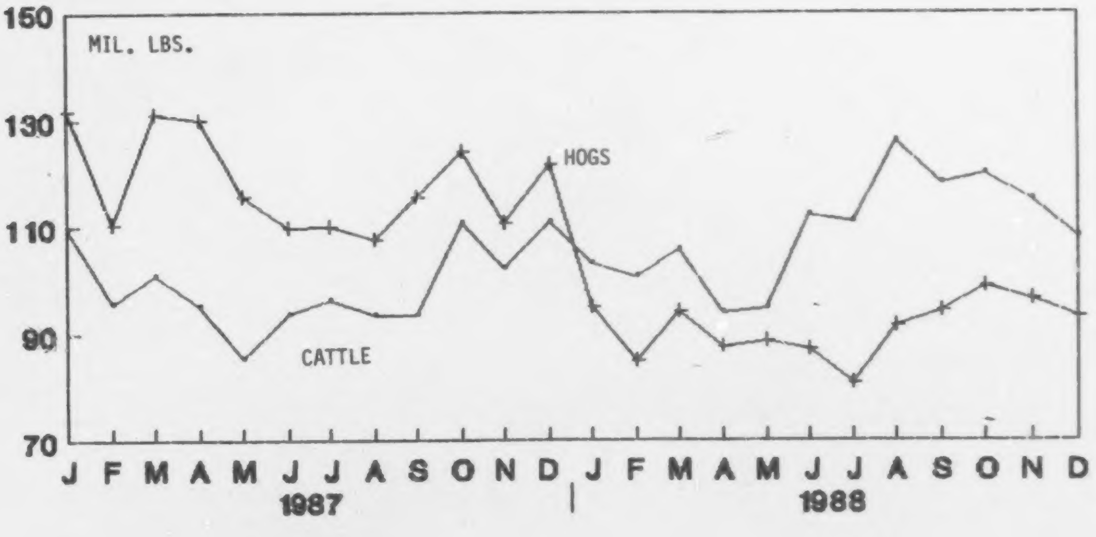
1/ March 1, September 1, and December 1 data available since 1954.
2/ June 1 estimates were started in 1950.

LIVESTOCK ON MINNESOTA FARMS, JANUARY 1



*December 1 preceding year.

MINNESOTA'S BEEF & PORK PRODUCTION*



*Total liveweight of cattle and hogs commercially slaughtered.

MINNESOTA LIVESTOCK AND POULTRY — INVENTORY AND INVENTORY VALUE

Class	Number on Farms			Value per Head			Total Inventory Value		
	1987	1988	1989	1987	1988	1989	1987	1988	1989
	1,000 Head			Dollars			1,000 Dollars		
All Cattle & Calves, Jan. 1	3,150	2,900	2,940	465.00	600.00	665.00	1,464,750	1,740,000	1,955,100
Total Cows That Have Calved	1,260	1,200	1,200						
Beef Cows	405	390	390						
Milk Cows	855	810	810						
Total Heifers 500 Pounds+	690	635	648						
Beef Replacement	66	63	68						
Milk Replacement	350	342	370						
Other	274	230	210						
Steers 500 Pounds+	485	409	435						
Bulls 500 Pounds+	38	36	42						
Calves Under 500 Pounds	677	620	615						
Cattle & Calves on Feed, Jan. 1	305	310	310						
All Hogs & Pigs, Dec. 1 1/	4,260	4,500	4,690	93.00	74.50	67.50	396,180	335,250	316,575
All Sheep & Lambs, Jan. 1	237	258	263	83.50	93.00	78.50	19,790	23,994	20,646
Stock Sheep	165	185	225						
Ewes 1 Year+	130	135	170						
Ewe Lambs	23	36	40						
Wethers & Rams 1 Year+	6	7	8						
Wether & Ram Lambs	6	7	7						
Sheep & Lambs On Feed	72	73	38						
All Chickens, Dec. 1 1/	12,800	11,900	11,700	1.40	1.45	1.45	17,920	17,255	16,965
Hens & Pullets of Laying Age	10,000	9,600	9,000						
Pullets 3 Months Old+, Not of Laying Age	1,260	1,000	1,000						
Pullets Under 3 Months	1,485	1,250	1,645						
Other Chickens	55	50	55						
TOTAL							1,898,640	2,116,499	2,309,286

1/ December 1 preceding year.

MINNESOTA CATTLE & CALVES DISPOSITION

Year	Inshipments	Marketings 1/		Farm Slaughter 2/ Cattle and Calves	Deaths	
		Cattle	Calves		Cattle	Calves
				1,000 Head		
1984	600	1,587	165	13	55	150
1985	500	1,574	170	16	60	150
1986	510	1,633	170	12	55	160
1987	460	1,539	160	11	50	130
1988	465	1,250	160	10	55	140

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA CATTLE AND CALF INVENTORIES, PRODUCTION, AND INCOME

Year	On Farms, January 1			Calves Born	Marketings 1/	Price Per 100 Lbs.		Cash Receipts 2/	Gross Income 3/
	All Cattle	All Cows That Have Calved	Milk Cows That Have Calved			Cattle	Calves		
	–	1,000 Head			1,000 Lbs.	Dollars		1,000 Dols.	1,000 Dols.
1984	3,690	1,387	910	1,230	1,811,080	48.60	55.60	882,522	904,681
1985	3,550	1,310	890	1,320	1,863,310	49.60	55.40	926,225	948,564
1986	3,400	1,336	940	1,270	1,897,570	49.20	58.30	936,728	958,655
1987	3,150	1,260	855	1,180	1,846,450	58.10	78.30	1,080,149	1,099,346
1988	2,900	1,200	810	1,190	1,515,570	62.50	87.50	956,741	977,492
1989	2,940	1,200	810	-----	---------	-----	-----	-------	-------

1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA CATTLE AND CALVES ON FEED BY QUARTERS

Year and Quarter		Total Number	Classes			Weight Groups 1/			
			Steers and Steer Calves	Heifers & Heifer Calves	Other	Under 500 Lbs.	500-699 Lbs.	700-899 Lbs.	900 Lbs. and Over
			1,000 Head				1,000 Head		
1984:	January 1...	375	244	127	4	25	109	104	133
	April 1.....	350	228	119	3	15	92	122	118
	July 1......	285	188	94	3	8	45	100	129
	October 1...	225	144	79	2	6	35	78	104
1985:	January 1...	370	237	129	4	22	110	101	133
	April 1.....	355	231	121	3	13	87	126	126
	July 1......	305	207	95	3	8	43	97	154
	October 1...	215	148	65	2	5	25	70	113
1986:	January 1...	300	204	93	3	18	89	83	107
	April 1.....	305	207	95	3	12	62	112	116
	July 1......	255	176	76	3	7	34	92	119
	October 1...	205	141	62	2	6	30	63	104
1987:	January 1...	305	204	98	3	20	94	81	107
	April 1.....	320	224	93	3	14	67	124	112
	July 1......	290	206	81	3	11	34	93	149
	October 1...	225	160	63	2	10	27	67	119
1988:	January 1...	310	217	90	3	19	91	83	114
	April 1.....	320	221	96	3	15	62	120	115
	July 1......	275	192	80	3	12	34	80	146
	October 1...	220	158	60	2	13	26	66	113
1989:	January 1...	310	217	90	3	15	106	77	109
	April 1.....	330	221	106	3	12	57	131	127

1/ "Other" class not included in "Weight Groups".

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1988-89

DISTRICT AND COUNTY	ALL CATTLE AND CALVES		CATTLE AND CALVES ON FEED		ALL STOCK SHEEP AND LAMBS	
	1988	1989	1988	1989	1988	1989
	NUMBER		NUMBER		NUMBER	
Becker	45,800	45,700	2,400	2,300	3,100	3,600
Clay	23,800	22,300	2,200	1,900	1,400	1,700
Clearwater	27,000	26,700	1,200	1,500	1,900	2,200
Kittson	14,000	13,000	900	1,100	2,000	2,400
Mahnomen	15,000	15,400	900	900	700	900
Marshall	18,200	17,400	1,400	1,900	3,700	4,400
Norman	16,800	17,200	1,100	1,600	400	500
Pennington	13,600	13,700	900	1,200	900	1,100
Polk	36,200	38,100	4,200	4,400	2,800	3,300
Red Lake	16,700	18,500	900	1,300	600	700
Roseau	29,600	30,100	1,500	1,800	4,600	5,400
Northwest	256,700	258,100	17,600	19,900	22,100	26,200
Beltrami	26,100	25,100	800	500	1,600	1,800
Cass	24,900	24,500	900	800	2,300	2,600
Hubbard	13,500	13,500	900	600	1,800	2,000
Itasca	15,100	15,000	600	500	600	700
Koochiching	8,700	7,400	300	200	1,300	1,500
Lake of the Woods	5,800	6,800	100	100	300	400
North Central	94,100	92,300	3,600	2,700	7,900	9,000
Cook	200	200	--	--	--	--
Lake	700	800	100	100	200	200
St. Louis	16,800	17,600	500	400	800	800
Northeast	17,700	18,600	600	500	1,000	1,000
Big Stone	11,300	11,500	1,600	1,400	1,400	1,600
Chippewa	10,700	9,600	1,900	1,700	2,100	2,500
Douglas	43,700	40,800	2,900	3,100	2,100	2,500
Grant	12,700	11,700	2,700	2,500	1,100	1,000
Lac Qui Parle	23,500	21,800	4,600	4,300	1,700	2,100
Otter Tail	132,000	131,800	5,500	5,300	7,200	8,700
Pope	40,600	36,800	3,600	3,000	1,300	1,500
Stevens	27,900	27,000	11,100	9,500	2,200	2,300
Swift	18,600	18,800	3,200	3,100	1,600	1,900
Traverse	12,500	14,300	4,200	4,000	2,000	2,600
Wilkin	5,200	4,600	500	400	400	500
Yellow Medicine	24,500	23,800	5,200	4,700	2,100	3,000
West Central	363,200	352,500	47,000	43,000	25,200	30,200
Benton	40,600	39,300	1,600	1,900	700	900
Carver	54,200	57,700	2,500	3,400	1,300	1,700
Kandiyohi	33,700	37,600	2,800	3,700	4,100	5,000
McLeod	40,300	43,600	2,100	2,200	900	1,100
Meeker	38,400	42,600	3,000	3,600	1,000	1,200
Morrison	79,800	77,700	2,300	2,500	1,400	1,800
Renville	24,900	25,400	5,500	5,600	6,300	7,900
Scott	29,900	34,500	3,100	3,900	900	1,100
Sherburne	15,400	14,600	1,800	1,800	800	1,000
Sibley	40,600	39,300	4,800	5,200	2,400	2,900
Stearns	171,100	175,600	9,000	11,500	1,900	2,300
Todd	81,200	84,800	2,400	2,000	3,300	4,200
Wadena	26,100	27,900	1,000	1,300	1,600	2,000
Wright	58,000	65,200	3,600	3,800	1,900	2,400
Central	734,200	765,800	45,500	52,400	28,500	35,500

ALL CATTLE, CATTLE ON FEED, ALL STOCK SHEEP: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1988-89 (CONT'D)

DISTRICT AND COUNTY	ALL CATTLE AND CALVES		CATTLE AND CALVES ON FEED		ALL STOCK SHEEP AND LAMBS	
	1988	1989	1988	1989	1988	1989
	NUMBER		NUMBER		NUMBER	
Aitkin	16,000	17,000	800	500	700	900
Anoka	5,500	5,300	700	600	500	600
Carlton	15,700	15,800	500	400	600	800
Chisago	21,800	23,400	1,200	1,200	600	700
Crow Wing	16,500	17,100	600	600	700	800
Hennepin	20,500	19,500	1,400	1,300	800	800
Isanti	12,500	14,700	1,000	1,300	1,400	1,800
Kanabec	29,600	33,900	1,700	2,000	1,200	1,500
Mille Lacs	31,300	28,900	1,500	1,300	900	1,100
Pine	47,100	44,500	1,500	1,300	2,300	2,900
Ramsey	700	600	--	--	200	200
Washington	14,700	17,800	1,500	1,400	1,200	1,600
East Central	231,900	238,500	12,400	11,900	11,100	13,700
Cottonwood	34,500	31,300	10,800	9,800	3,200	3,800
Jackson	26,500	27,700	9,000	9,100	3,100	3,700
Lincoln	33,900	34,000	5,800	5,400	3,900	4,700
Lyon	40,000	41,900	8,600	8,100	4,700	5,700
Murray	41,200	37,300	7,200	7,500	4,700	5,500
Nobles	45,000	48,200	13,800	11,200	4,600	5,500
Pipestone	35,100	33,200	2,800	3,800	4,900	5,900
Redwood	36,000	38,900	11,800	9,700	3,300	3,900
Rock	52,200	50,900	11,500	10,700	3,500	4,200
Southwest	344,400	343,400	81,300	75,300	35,900	42,900
Blue Earth	22,500	24,600	7,600	8,200	2,800	3,500
Brown	40,900	36,300	10,500	7,300	2,200	2,800
Faribault	18,600	17,300	5,100	4,900	3,100	4,000
Freeborn	23,400	23,200	3,400	3,900	4,000	5,100
LeSueur	25,700	26,300	4,000	3,900	1,800	2,300
Martin	23,200	23,200	6,500	5,200	3,400	4,400
Nicollet	22,900	23,600	3,200	3,900	1,200	1,600
Rice	37,100	41,200	2,700	3,300	1,700	2,200
Steele	23,800	25,300	2,700	3,600	1,400	1,800
Waseca	15,400	17,100	1,400	1,800	2,200	2,800
Watonwan	12,800	13,000	4,500	4,300	2,000	2,500
South Central	266,300	271,100	51,600	50,300	25,800	33,000
Dakota	39,300	41,300	8,200	9,200	1,700	2,100
Dodge	28,700	28,900	2,200	4,100	1,900	2,300
Fillmore	98,200	99,400	6,700	5,800	5,400	6,500
Goodhue	84,100	86,100	6,000	6,300	5,100	6,200
Houston	81,200	80,900	6,200	6,200	1,200	1,400
Mower	30,000	30,200	4,200	5,000	3,300	4,000
Olmsted	68,200	69,300	7,100	6,700	4,200	5,100
Wabasha	73,400	73,300	5,000	5,300	3,600	4,500
Winona	88,400	90,300	4,800	5,400	1,100	1,400
Southeast	591,500	599,700	50,400	54,000	27,500	33,500
Minnesota	2,900,000	2,940,000	310,000	310,000	185,000	225,000

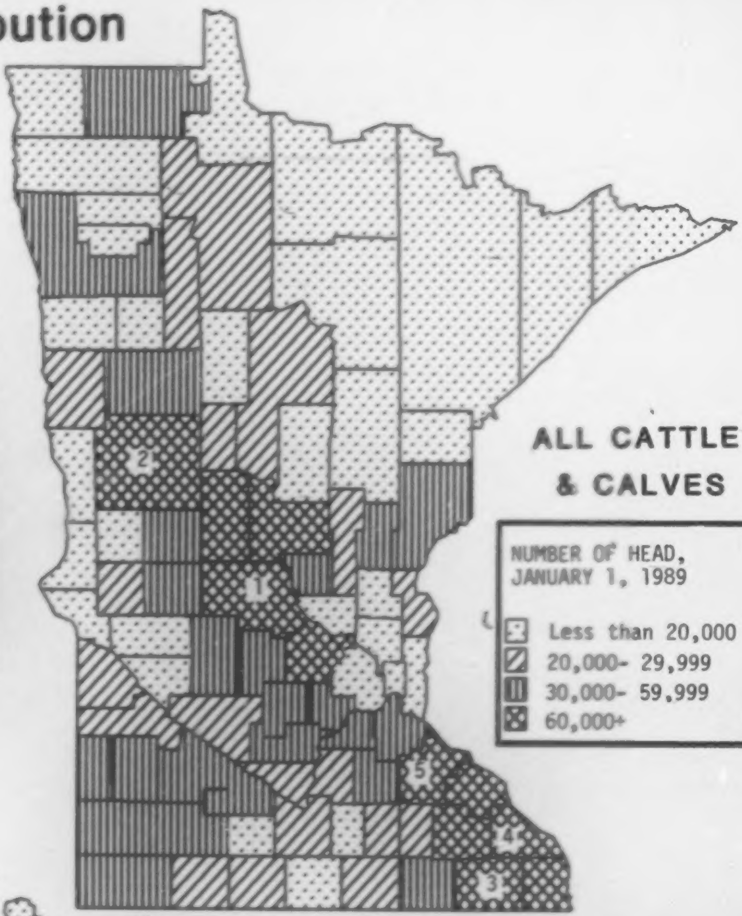
BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1988-89

DISTRICT AND COUNTY	BEEF COWS		MILK COWS	
	1988	1989	1988	1989
	NUMBER		NUMBER	
Becker	6,400	6,400	12,300	14,000
Clay	5,200	4,600	3,800	5,100
Clearwater	9,100	9,800	3,800	4,100
Kittson	6,100	5,500	500	600
Mahnomen	4,300	5,000	2,500	2,500
Marshall	5,600	5,900	2,000	2,000
Norman	3,900	4,000	3,100	3,100
Pennington	3,300	3,300	3,100	3,300
Polk	9,000	11,000	5,900	6,000
Red Lake	4,900	5,400	3,200	3,500
Roseau	9,400	9,300	5,400	5,400
Northwest	67,200	70,200	45,600	49,600
Beltrami	9,700	9,700	4,200	4,500
Cass	9,800	8,900	4,200	4,400
Hubbard	4,700	4,900	1,800	2,400
Itasca	6,800	6,900	1,200	1,500
Koochiching	3,300	3,300	600	700
Lake of the Woods	3,000	3,400	400	500
North Central	37,300	37,100	12,400	14,000
Cook	100	100	--	--
Lake	300	400	--	--
St. Louis	4,900	5,300	3,400	3,500
Northeast	5,300	5,800	3,400	3,500
Big Stone	2,900	2,600	2,300	2,200
Chippewa	1,800	1,500	1,700	2,200
Douglas	4,000	3,100	16,200	15,600
Grant	1,700	1,300	2,200	2,200
Lac Qui Parle	4,700	3,900	2,600	2,700
Otter Tail	13,500	12,000	48,500	47,000
Pope	5,200	4,200	11,700	11,900
Stevens	3,200	2,600	1,400	1,300
Swift	3,800	2,900	3,400	3,700
Traverse	1,700	1,300	1,000	900
Wilkin	1,300	900	1,000	800
Yellow Medicine	4,600	4,200	2,800	2,600
West Central	48,400	40,500	94,800	93,100
Benton	3,500	3,700	17,500	17,800
Carver	1,900	1,500	23,400	24,100
Kandiyohi	2,500	2,000	12,000	12,600
McLeod	1,700	2,200	18,700	19,300
Meeker	2,700	3,300	13,700	14,100
Morrison	6,800	7,300	34,100	33,500
Renville	1,600	1,400	5,300	4,900
Scott	2,600	2,500	10,900	10,300
Sherburne	2,200	2,600	3,400	2,900
Sibley	1,900	1,500	14,300	14,100
Stearns	6,100	5,600	79,200	78,200
Todd	6,400	7,300	35,000	35,200
Wadena	3,600	3,800	8,900	9,400
Wright	4,100	4,000	23,500	26,400
Central	47,600	48,700	299,900	302,800

BEEF COWS, MILK COWS: JANUARY 1 INVENTORY, BY DISTRICTS AND COUNTIES, MINNESOTA, 1988-89 (CONT'D)

DISTRICT AND COUNTY	BEEF COWS		MILK COWS	
	1988	1989	1988	1989
	NUMBER		NUMBER	
Aitkin	5,200	5,900	3,500	3,600
Anoka	1,300	1,000	1,100	1,200
Carlton	2,900	3,300	5,000	5,400
Chisago	3,600	3,300	6,600	7,100
Crow Wing	5,200	5,000	3,300	3,300
Hennepin	2,600	2,700	6,500	5,400
Isanti	1,700	2,000	4,700	4,800
Kanabec	6,000	6,500	7,700	8,300
Mille Lacs	2,800	2,700	12,900	11,400
Pine	8,300	9,100	13,900	13,100
Ramsey	300	300	100	100
Washington	3,000	3,800	3,500	3,500
East Central	42,900	45,600	68,800	67,200
Cottonwood	3,400	3,900	3,600	3,400
Jackson	3,500	3,100	2,100	1,900
Lincoln	5,300	6,000	6,200	5,700
Lyon	6,100	5,800	4,000	4,000
Murray	4,900	3,200	6,000	6,100
Nobles	5,100	5,600	5,300	5,700
Pipestone	5,600	5,200	6,900	6,300
Redwood	4,500	4,500	4,700	4,600
Rock	6,400	5,600	4,800	4,500
Southwest	44,800	42,900	43,600	42,200
Blue Earth	2,200	2,000	2,500	3,000
Brown	2,600	2,400	11,200	10,300
Faribault	1,700	1,400	3,800	3,300
Freeborn	2,300	2,100	6,500	5,600
LeSueur	3,600	3,700	6,400	6,300
Martin	1,600	2,000	2,800	2,900
Nicollet	1,200	1,400	8,500	7,700
Rice	1,800	2,500	15,200	16,100
Steele	1,100	1,300	10,700	9,500
Waseca	1,400	1,400	5,800	5,300
Watonwan	1,400	1,500	1,700	2,300
South Central	20,900	21,700	75,100	72,300
Dakota	2,300	2,200	7,900	8,500
Dodge	1,200	1,900	10,600	9,800
Fillmore	20,900	22,000	22,200	22,600
Goodhue	8,100	7,200	29,600	30,300
Houston	11,800	12,500	17,900	17,400
Mower	2,900	3,000	8,400	8,300
Olmsted	10,500	9,800	17,400	16,700
Wabasha	9,600	9,600	22,900	22,200
Winona	8,300	9,300	29,500	29,500
Southeast	75,600	77,500	166,400	165,300
Minnesota	390,000	390,000	810,000	810,000

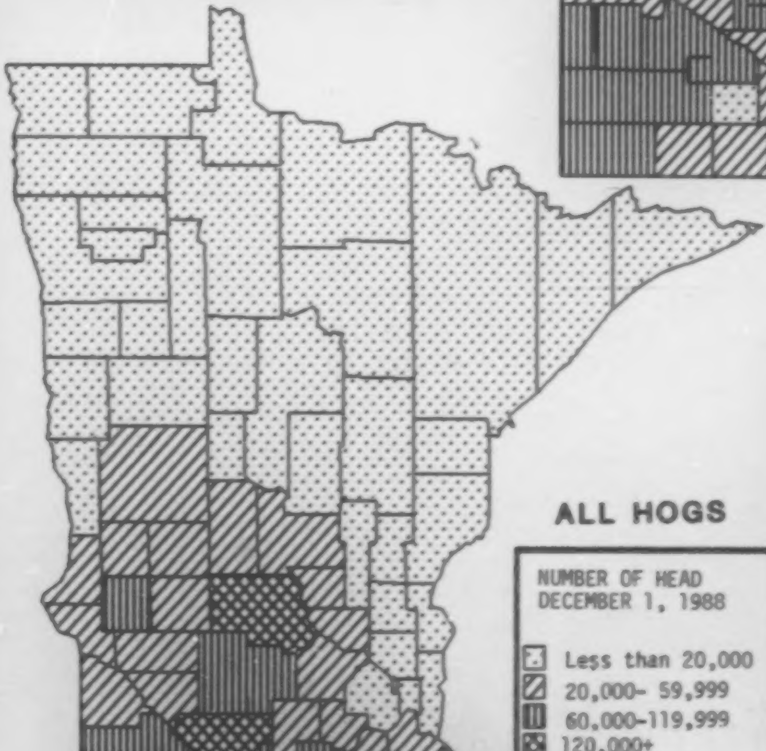
Geographic Distribution



ALL CATTLE & CALVES

NUMBER OF HEAD, JANUARY 1, 1989

- ⁙ Less than 20,000
- ▨ 20,000- 29,999
- ▥ 30,000- 59,999
- ▩ 60,000+

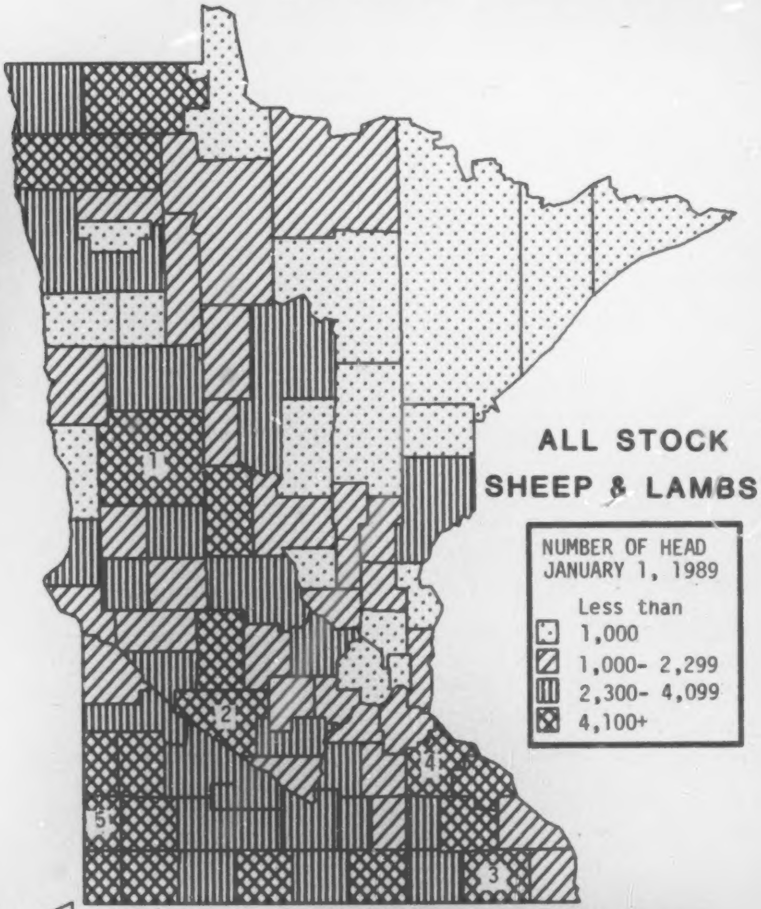


ALL HOGS

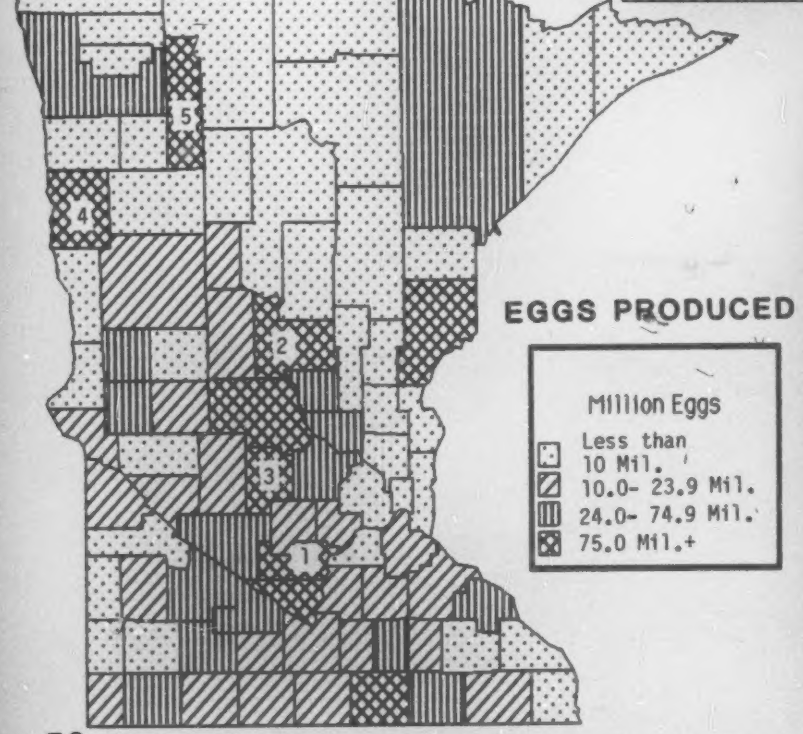
NUMBER OF HEAD DECEMBER 1, 1988

- ⁙ Less than 20,000
- ▨ 20,000- 59,999
- ▥ 60,000-119,999
- ▩ 120,000+

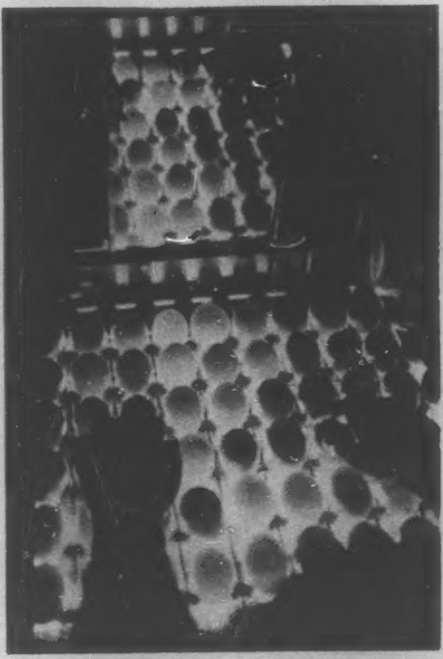
Geographic Distribution


1
2
3
4
5
NUMBER OF HEAD
JANUARY 1, 1989
Less than
⛶ 1,000
▨ 1,000- 2,299
▥ 2,300- 4,099
▩ 4,100+

ALL STOCK
SHEEP & LAMBS


1
2
3
4
5
Million Eggs
⛶ Less than 10 Mil.
▨ 10.0- 23.9 Mil.
▥ 24.0- 74.9 Mil.
▩ 75.0 Mil.+

EGGS PRODUCED



MINNESOTA SOWS FARROWED, PIG CROP, AND DISPOSITION

Year	Spring		Fall		Annual Total		Inshipments	Marketings 1/	Farm 2/ Slaughter	Deaths	All Hogs On Farms Dec. 1
	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop	Sows Farrowed	Pig Crop					
	1,000 Head		1,000 Head		1,000 Head		1,000 Head				
1984	435	3,357	445	3,450	880	6,807	239	6,721	15	410	4,300
1985	435	3,439	450	3,578	885	7,017	288	7,137	18	350	4,100
1986	415	3,302	430	3,462	845	6,764	255	6,508	16	335	4,260
1987	445	3,585	480	3,815	925	7,400	300	7,094	16	350	4,500
1988	490	3,962	510	4,009	1,000	7,971	260	7,595	16	430	4,690

1/ Excludes interfarm sales.
2/ Excludes custom slaughter for farmers at commercial establishments.

MINNESOTA HOGS AND PIGS BY QUARTERS

Year and Quarter	All Hogs and Pigs	For Breeding Purposes	Market Hogs and Pigs			
			Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. and Over
	1,000 Head	1,000 Head	1,000 Head			
1984: March.......	4,020	539	1,264	870	776	571
June........	3,870	570	1,390	850	590	470
September...	3,900	500	1,330	885	650	535
December....	4,300	540	1,448	996	771	545
1985: March.......	4,200	521	1,380	890	831	578
June........	4,000	500	1,365	900	670	565
September...	4,150	570	1,600	795	655	530
December....	4,100	525	1,380	890	805	500
1986: March.......	3,900	490	1,315	840	690	565
June........	3,925	500	1,340	890	710	485
September...	4,100	490	1,510	830	750	520
December....	4,260	535	1,370	975	810	570
1987: March.......	4,000	525	1,390	855	670	560
June........	4,180	525	1,475	930	725	525
September...	4,550	560	1,600	1,010	780	600
December....	4,500	585	1,510	980	790	635
1988: March.......	4,300	530	1,490	900	770	610
June........	4,600	580	1,640	1,000	780	600
September....	4,930	595	1,800	1,060	820	655
December....	4,690	600	1,500	1,060	855	675
1989: March.......	4,420	565	1,550	920	760	625

MINNESOTA HOG PRODUCTION AND INCOME

Year	Production 1/	Marketings 2/	Price Per 100 Lbs.	Cash Receipts 3/	Gross Income 4/
	1,000 Pounds		Dollars	1,000 Dollars	
1984	1,488,512	1,510,990	47.50	726,857	733,490
1985	1,572,043	1,601,561	44.40	721,397	726,656
1986	1,479,217	1,460,285	50.70	750,234	755,809
1987	1,620,532	1,596,416	51.80	839,170	845,063
1988	1,739,084	1,719,578	43.10	749,700	755,517

1/ Adjustments made for number shipped in and changes in inventory.
2/ Excludes interfarm sales.
3/ Includes receipts from marketings and sales of farm slaughtered meats.
4/ Includes value of home consumption on farms.

MINNESOTA MINK PRODUCTION

Year	Number of Mink Farms	Pelts Produced	Females Bred 1/
1984	156	591,600	146,900
1985	160	571,200	146,300
1986	155	568,000	139,800
1987	143	503,200	143,100
1988 2/			

1/ Females bred to produce kits the following year.
2/ 1988 mink data will be available July 20, 1989.

MINNESOTA BEE AND HONEY STATISTICS

Year	Number of Colonies	Yield Per Colony	Production	Stocks Dec. 15 1/	Average Price Per Pound	Value of Production
	1,000	Pounds	1,000 Lbs.	1,000 Lbs.	Cents	1,000 Dols.
1986	136	78	10,608	636	.470	4,986
1987	150	108	16,200	1,296	.460	7,452
1988	150	129	19,350	1,935	.450	8,708

1/ Does not include stocks under loan.

MINNESOTA HOGS AND PIGS, BY DISTRICTS AND COUNTIES

DISTRICT AND COUNTY	ALL HOGS, DEC. 1		ANNUAL SOWS FARROWED		ANNUAL PIG CROP	
	1987	1988	1987	1988	1987	1988
	NUMBER		NUMBER		NUMBER	
Becker	8,500	8,500	3,000	3,500	23,700	27,000
Clay	15,100	12,000	3,600	3,800	28,400	29,400
Clearwater	3,300	3,600	1,400	1,700	11,100	13,100
Kittson	3,200	2,100	900	600	7,100	4,600
Mahnomen	4,900	4,000	1,800	1,600	14,200	12,400
Marshall	4,400	3,800	2,000	1,500	15,800	11,600
Norman	9,500	9,900	2,000	2,600	15,800	20,100
Pennington	4,600	5,300	1,700	1,700	13,400	13,100
Polk	11,000	9,800	3,100	2,600	24,500	20,100
Red Lake	4,800	4,600	1,500	1,400	11,900	10,800
Roseau	4,300	4,100	1,500	1,300	11,900	10,100
Northwest	73,600	67,700	22,500	22,300	177,800	172,300
Beltrami	4,400	4,600	1,900	1,800	14,800	13,700
Cass	11,300	14,700	2,600	3,600	20,300	27,500
Hubbard	10,000	14,900	2,300	4,000	18,000	30,500
Itasca	4,000	4,200	1,400	1,700	10,900	13,000
Koochiching	900	800	300	300	2,400	2,300
Lake of the Woods	800	700	300	200	2,300	1,500
North Central	31,400	39,900	8,800	11,600	68,700	88,500
St. Louis	1,800	2,800	500	700	3,900	5,300
Northeast	1,800	2,800	500	700	3,900	5,300
Big Stone	35,500	40,600	7,200	8,100	57,600	64,200
Chippewa	55,800	52,500	11,100	11,200	88,800	88,800
Douglas	22,200	24,700	6,500	6,300	52,000	50,100
Grant	22,900	27,100	5,200	5,900	41,600	46,800
Lac Qui Parle	56,800	58,300	12,100	11,700	96,800	92,800
Otter Tail	50,500	54,500	14,400	16,200	115,300	128,400
Pope	26,500	26,500	5,800	5,800	46,400	46,000
Stevens	64,100	71,500	13,500	14,400	108,000	114,200
Swift	40,500	37,600	9,200	8,200	73,600	65,000
Traverse	21,100	20,900	4,600	3,900	36,800	30,900
Wilkin	14,400	15,400	3,500	3,900	28,000	30,900
Yellow Medicine	65,200	67,000	12,000	12,100	96,000	95,900
West Central	475,500	496,600	105,100	107,700	840,900	854,000
Benton	32,300	32,000	10,000	10,100	80,000	80,100
Carver	33,800	32,200	7,000	7,300	56,000	57,900
Kandiyohi	85,100	99,000	17,800	20,800	142,400	164,900
McLeod	46,100	46,600	10,600	11,100	84,800	88,000
Meeker	81,900	83,700	17,400	19,400	139,200	153,800
Morrison	40,900	39,900	14,300	14,300	114,400	113,400
Renville	141,800	141,600	27,700	28,400	221,700	225,200
Scott	29,500	25,900	5,900	4,800	47,200	38,100
Sherburne	20,500	24,800	4,300	4,400	34,400	34,900
Sibley	106,500	107,400	21,000	21,200	168,100	168,100
Stearns	126,600	147,100	33,500	38,600	268,100	306,100
Todd	33,400	37,400	10,400	11,200	83,200	88,800
Wadena	13,000	10,900	4,800	4,200	38,400	33,300
Wright	44,600	48,500	10,900	13,500	87,200	107,000
Central	836,000	877,000	195,600	209,300	1,565,100	1,659,600

MINNESOTA HOGS AND PIGS, BY DISTRICTS AND COUNTIES (CONT'D)

DISTRICT AND COUNTY	ALL HOGS, DEC. 1		ANNUAL SOWS FARROWED		ANNUAL PIG CROP	
	1987	1988	1987	1988	1987	1988
	NUMBER		NUMBER		NUMBER	
Aitkin	1,000	900	400	300	3,200	2,300
Anoka	9,200	8,000	1,400	1,300	11,200	10,200
Carlton	700	600	200	200	1,600	1,600
Chisago	10,500	11,500	2,400	2,600	19,200	20,400
Crow Wing	5,800	5,700	1,900	1,700	15,200	13,300
Hennepin	9,700	9,300	2,300	2,500	18,400	19,600
Isanti	12,500	12,100	4,000	3,200	32,000	25,000
Kanabec	12,600	11,400	3,200	3,400	25,600	26,600
Mille Lacs	11,100	12,200	3,900	4,600	31,200	36,000
Pine	6,300	7,900	1,900	2,300	15,200	18,000
Ramsey	500	300	100	100	800	800
Washington	6,900	6,200	1,400	1,300	11,200	10,200
East Central	86,800	86,100	23,100	23,500	184,800	184,000
Cottonwood	102,200	97,800	17,000	17,300	136,000	138,000
Jackson	161,500	180,600	28,700	35,900	229,700	286,500
Lincoln	53,300	48,100	10,000	9,800	80,000	78,200
Lyon	121,500	124,300	23,000	25,600	184,000	204,300
Murray	95,400	107,900	19,000	22,100	152,000	176,400
Nobles	159,800	157,800	30,500	33,400	244,100	266,500
Pipestone	56,500	53,600	11,200	12,500	89,600	99,700
Redwood	134,500	128,100	25,500	25,800	204,100	205,900
Rock	111,200	109,900	20,600	22,100	164,800	176,300
Southwest	995,900	1,008,100	185,500	204,500	1,484,300	1,631,800
Blue Earth	153,500	164,300	30,000	30,400	238,900	244,100
Brown	127,300	126,700	23,000	22,800	183,100	183,100
Faribault	130,700	140,400	27,500	27,300	218,900	219,200
Freeborn	159,800	176,200	32,000	35,600	254,800	285,900
LeSueur	75,400	81,600	14,000	14,500	111,500	116,400
Martin	232,700	258,600	40,000	50,300	318,500	403,700
Nicollet	120,200	122,700	25,500	25,300	203,000	203,100
Rice	95,600	101,300	19,600	22,000	156,100	176,700
Steele	73,400	81,700	13,000	14,000	103,500	112,400
Waseca	76,500	80,600	14,500	16,700	115,400	134,100
Watonwan	81,000	96,000	14,700	17,300	117,000	138,900
South Central	1,326,100	1,430,100	253,800	276,200	2,020,700	2,217,600
Dakota	45,900	49,100	8,900	9,800	72,100	78,700
Dodge	57,300	66,700	10,600	13,900	85,900	111,600
Fillmore	139,500	135,300	27,500	29,100	222,700	233,700
Goodhue	71,100	67,100	13,900	15,500	112,600	124,500
Houston	59,000	54,300	11,400	11,700	92,300	93,900
Mower	145,600	146,500	26,600	28,200	215,500	226,400
Olmsted	52,900	56,600	10,700	13,200	86,700	106,000
Wabasha	53,000	54,700	11,000	12,400	89,100	99,600
Winona	48,600	51,400	9,500	10,400	76,900	83,500
Southeast	672,900	681,700	130,100	144,200	1,053,800	1,157,900
Minnesota	4,500,000	4,690,000	925,000	1,000,000	7,400,000	7,971,000

MINNESOTA SHEEP AND LAMBS

Year	On Farms, January 1			Lambs Saved	Marketings 1/	Cash Receipts 2/	Gross Income 3/
	Total All Sheep and Lambs	On Feed For Market	Stock (Breeding) Sheep				
	1,000 Head			1,000 Head		1,000 Dollars	
1984	255	55	200	225	244	14,448	14,696
1985	255	70	185	190	247	16,387	16,628
1986	213	63	150	195	202	14,354	14,561
1987	237	72	165	170	159	13,007	13,177
1988	258	73	185	175	175	12,891	13,193
1989	263	38	225	---	---	------	------

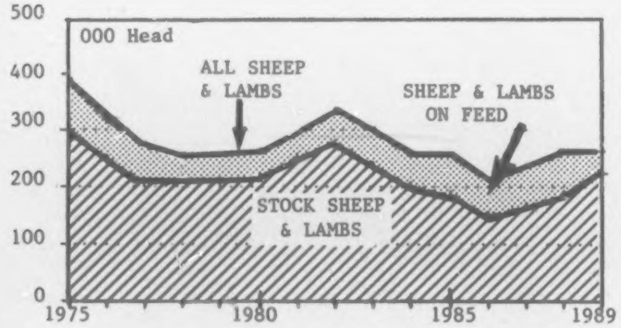
1/ Excludes interfarm sales.
2/ Includes receipts from marketings and sales of farm slaughtered meat.
3/ Includes value of home consumption on farms.

MINNESOTA WOOL

Year	Sheep Shorn 1/	Weight Per Fleece	Production Total	Annual Average Price Per Pound 2/	Value
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1984	285	7.0	1,985	54	1,072
1985	240	7.0	1,675	44	737
1986	230	6.5	1,530	45	689
1987	241	6.7	1,623	57	925
1988	255	7.4	1,893	77	1,458

1/ Includes sheep shorn at commercial feeding yards.
2/ Average local market price for wool sold; does not include incentive payments.

MINNESOTA SHEEP & LAMBS, JANUARY 1



MINNESOTA COMMERCIAL LIVESTOCK SLAUGHTER

Month	CATTLE						CALVES					
	Number Slaughtered		Liveweight				Number Slaughtered		Liveweight			
			Average Weight		Total Weight				Average Weight		Total Weight	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	1,000 Head		Pounds		1,000 Pounds		1,000 Head		Pounds		1,000 Pounds	
January.....	92.1	84.5	1,191	1,219	109,769	102,999	0.3	0.2	199	211	54	50
February....	78.3	82.7	1,223	1,219	95,715	100,779	0.2	0.2	252	231	59	44
March.......	83.1	87.4	1,216	1,211	101,001	105,832	0.3	0.2	227	258	64	54
April.......	79.8	78.2	1,193	1,203	95,249	94,024	0.3	0.2	220	273	57	55
May.........	72.6	80.2	1,177	1,181	85,501	94,758	0.3	0.1	255	259	65	32
June........	80.8	96.5	1,160	1,164	93,653	112,354	0.2	0.2	214	247	52	42
July........	83.2	96.3	1,157	1,153	96,322	111,074	0.3	0.1	231	247	60	35
August......	81.5	108.0	1,147	1,168	93,421	126,128	0.2	0.2	218	277	50	46
September...	79.0	98.7	1,185	1,197	93,579	118,175	0.2	0.2	254	246	56	43
October.....	92.5	99.4	1,198	1,208	110,843	119,998	0.3	0.2	246	251	62	43
November....	85.3	96.2	1,199	1,198	102,239	115,196	0.2	0.2	252	287	54	54
December....	91.4	90.5	1,213	1,194	110,883	108,042	0.3	0.2	261	289	72	60
ANNUAL TOTAL.......	999.6	1,098.6	1,189	1,192	1,188,176	1,309,360	3.0	2.2	235	256	708	560
	HOGS						SHEEP AND LAMBS					
January.....	540.1	397.2	244	239	131,684	94,987	28.8	27.6	120	126	3,471	3,486
February....	457.9	356.7	241	238	110,533	84,926	27.1	29.4	123	124	3,331	3,661
March.......	549.9	393.2	238	239	131,111	94,089	30.5	35.7	124	128	3,783	4,553
April.......	541.8	367.4	240	239	129,941	87,651	30.0	27.9	124	126	3,709	3,514
May.........	483.1	372.0	239	238	115,703	88,654	28.8	29.3	119	122	3,431	3,575
June........	463.6	368.1	237	237	109,797	87,146	33.8	29.3	114	117	3,844	3,433
July........	469.6	342.5	235	236	110,146	80,804	33.0	30.9	114	115	3,766	3,545
August......	460.2	389.4	234	235	107,679	91,550	37.5	38.4	115	116	4,309	4,461
September...	489.1	396.4	236	238	115,598	94,356	37.7	42.2	116	119	4,377	5,033
October.....	521.0	413.4	238	239	124,036	98,865	32.7	38.4	119	119	3,894	4,577
November....	462.0	402.7	240	240	110,737	96,654	29.4	34.2	121	122	3,559	4,182
December....	508.8	389.8	239	239	121,778	93,249	31.4	32.1	122	122	3,826	3,927
ANNUAL TOTAL.......	5,947.0	4,589.0	239	238	1,418,743	1,092,933	380.7	395.4	119	121	45,301	47,949

Note: Totals may not add due to rounding. Includes slaughter under federal inspection and other commercial slaughter. Excludes farm slaughter.

Dairy

Minnesota's milk production totaled 10.4 billion pounds in 1988, down fractionally from 1987. The state's share of national production in 1988 was 7%. The 12-month average number of milk cows was 802 versus 823 in 1987. The average milk per cow was 12,983 in 1988, up 303 pounds from 1987.

The count of plant patrons selling milk or cream in June 1988 totaled 17,014. This compares with the totals of 18,417 for June 1987 and 20,345 for June 1986.

MINNESOTA MILK PRODUCTION, DISPOSITION, AND INCOME

Year	Total Milk Produced	Disposition of Milk Produced: Used on Farm Where Produced: Fed to Calves	Disposition of Milk Produced: Used on Farm Where Produced: Consumed in Farm Household	Disposition of Milk Produced: Sale of Wholesale Milk	Cash Receipts	Gross Producer Income
	Mil.Lbs.	Million Pounds			1,000 Dollars	
1984	10,331	244	22	10,065	1,290,333	1,293,153
1985	10,840	150	20	10,670	1,285,735	1,288,145
1986	10,614	140	24	10,450	1,238,325	1,241,169
1987	10,436	150	31	10,255	1,216,243	1,219,920
1988	10,412	150	27	10,235	1,194,425	1,197,575

MINNESOTA MANUFACTURED DAIRY PRODUCTS

Year	Butter	All Cheese	American Cheese	Non-Fat Dry Milk Solids	Dry Whey & Whey Fraction Solids	Ice Cream	Ice Milk	Milk Sherbet
	1,000 Pounds					1,000 Gallons		
1984	148,681	560,858	494,964	159,685	309,721	37,342	8,590	1,727
1985	156,035	595,144	549,482	171,012	336,926	37,057	10,591	1,703
1986	156,678	566,872	515,151	185,244	353,964	38,906	9,475	1,908
1987	141,003	580,944	521,338	150,180	344,709	41,080	12,450	2,196
1988	129,566	635,025	572,974	91,915	401,821	37,759	11,819	2,328

MINNESOTA MONTHLY DAIRY PRODUCTION

MILK COWS ON FARMS, EXCLUDES HEIFERS THAT HAVE NOT CALVED
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1984	900	895	895	885	885	885	880	880	880	880	885	890	887
1985	890	895	900	905	910	915	920	920	925	930	930	935	915
1986	940	935	930	920	910	900	880	860	855	855	855	855	891
1987	845	840	835	830	820	820	820	815	815	815	815	810	823
1988	810	810	805	805	800	795	795	800	800	800	800	805	802

MILK PRODUCTION ON FARMS
(Million Pounds)

1984	918	882	962	947	974	920	845	779	744	766	757	837	10.331
1985	890	837	954	959	1,019	974	938	883	819	846	828	893	10,840
1986	959	898	986	975	1,019	959	893	817	752	774	765	817	10,614
1987	879	827	927	921	968	923	877	827	782	811	811	883	10,436
1988	895	871	942	918	944	882	863	820	796	820	800	861	10,412

PERCENTAGE OF FAT IN MILK SOLD BY FARMERS TO DAIRY PLANTS
(Percent)

1984	3.75	3.68	3.69	3.64	3.60	3.53	3.51	3.50	3.64	3.71	3.77	3.75	3.65
1985	3.74	3.72	3.67	3.63	3.54	3.50	3.45	3.51	3.63	3.75	3.77	3.76	3.63
1986	3.71	3.68	3.65	3.62	3.57	3.51	3.47	3.53	3.66	3.75	3.79	3.74	3.64
1987	3.69	3.66	3.65	3.61	3.54	3.46	3.43	3.45	3.61	3.75	3.76	3.73	3.61
1988	3.72	3.70	3.68	3.65	3.59	3.49	3.44	3.45	3.60	3.75	3.81	3.79	3.64

BUTTER MANUFACTURED
(Million Pounds)

1984	14.6	13.5	14.1	13.6	13.8	12.6	12.4	10.6	10.5	11.2	10.2	11.6	148.7
1985	12.3	11.6	13.3	13.8	14.1	13.7	13.5	13.2	13.3	12.5	11.8	13.0	156.0
1986	14.8	13.6	14.6	14.5	15.3	13.9	11.9	11.5	11.2	12.5	10.9	12.0	156.7
1987	12.2	11.4	13.1	12.9	12.9	11.8	11.4	10.2	10.2	11.3	11.0	12.5	141.0
1988	12.8	12.6	13.5	12.9	13.1	11.3	9.9	8.5	8.4	7.6	8.3	10.7	129.6

AMERICAN CHEESE MANUFACTURED
(Million Pounds)

1984	44.3	41.3	46.8	46.3	48.7	42.9	35.7	35.1	34.9	37.5	38.5	43.0	495.0
1985	44.6	42.0	48.3	47.6	51.0	49.9	45.0	44.5	40.0	45.4	44.6	46.7	549.5
1986	46.9	43.3	49.6	48.8	50.3	46.9	43.1	38.8	35.8	34.2	36.4	41.1	515.2
1987	44.4	41.3	47.0	46.2	48.6	44.8	41.5	37.1	37.2	42.5	43.1	47.7	521.3
1988	49.1	46.6	50.6	49.6	50.1	46.1	44.6	40.4	43.6	51.6	49.7	51.0	573.0

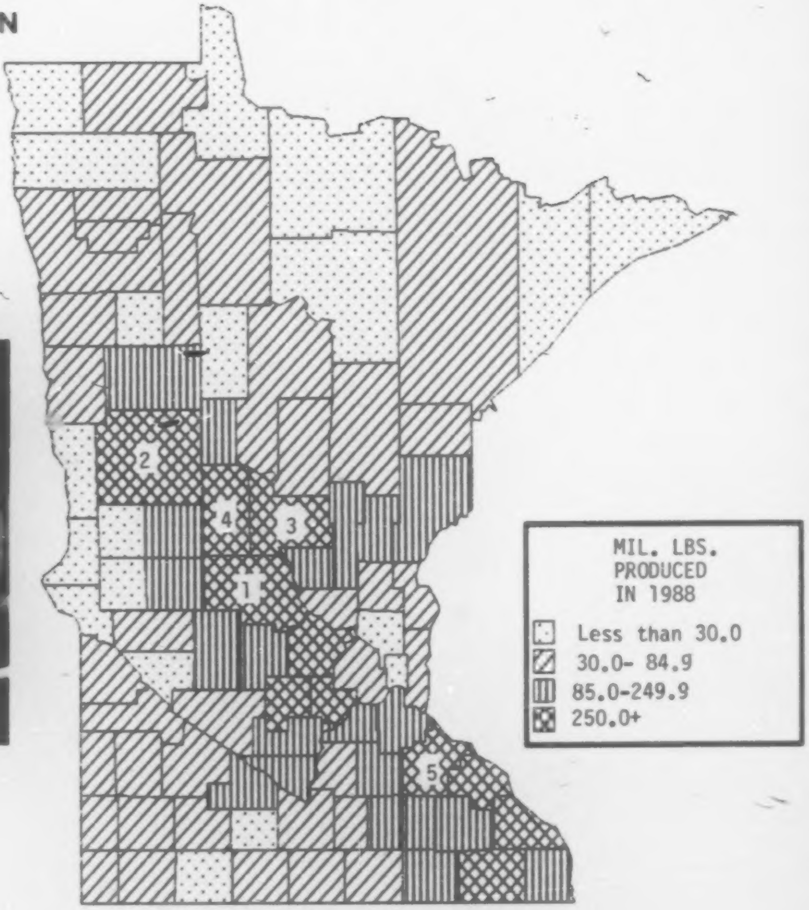
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1987-88

DISTRICT AND COUNTY	ANNUAL AVERAGE MILK COWS ON FARMS		ANNUAL AVERAGE PRODUCTION PER COW		TOTAL PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-NUMBER-		-THOUSAND POUNDS-		-THOUSAND POUNDS-	
Becker	12,300	13,100	12.6	12.7	155,000	166,500
Clay	3,800	4,300	12.8	13.1	48,500	56,500
Clearwater	4,000	3,900	11.5	11.5	46,000	45,000
Kittson	400	600	12.5	12.5	5,000	7,500
Mahnomen	2,500	2,500	11.4	11.6	28,500	29,000
Marshall	2,100	2,000	11.0	11.0	23,000	22,000
Norman	3,200	3,100	11.3	11.5	36,000	35,500
Pennington	3,300	3,200	11.2	11.4	37,000	36,500
Polk	6,000	5,900	11.7	12.0	70,000	71,000
Red Lake	2,900	3,300	12.1	12.6	35,000	41,500
Roseau	5,500	5,400	11.9	12.0	65,500	65,000
Northwest	46,000	47,300	11.9	12.2	549,500	576,000
Beltrami	4,000	4,300	11.8	12.1	47,000	52,000
Cass	4,100	4,300	11.3	11.5	46,500	49,500
Hubbard	1,700	2,000	12.1	12.3	20,500	24,500
Itasca	1,400	1,400	11.4	11.4	16,000	16,000
Koochiching	600	700	10.0	10.7	6,000	7,500
Lake Of the Woods	400	500	10.0	10.0	4,000	5,000
North Central	12,200	13,200	11.5	11.7	140,000	154,500
St Louis	3,500	3,400	11.6	11.9	40,500	40,500
Northeast	3,500	3,400	11.6	11.9	40,500	40,500
Big Stone	2,100	2,200	11.2	11.6	23,500	25,500
Chippewa	1,700	2,000	12.1	12.3	20,500	24,500
Douglas	17,900	15,600	12.3	12.5	220,000	195,000
Grant	2,400	2,200	12.5	12.5	30,000	27,500
Lac Qui Parle	2,900	2,600	12.1	12.1	35,000	31,500
Otter Tail	48,500	47,300	12.7	12.9	615,000	611,000
Pope	12,800	11,700	12.7	12.9	162,500	151,500
Stevens	1,400	1,400	12.1	12.1	17,000	17,000
Swift	3,500	3,500	12.6	12.9	44,000	45,000
Traverse	900	1,000	10.6	11.0	9,500	11,000
Wilkin	1,200	900	12.1	12.2	14,500	11,000
Yellow Medicine	2,700	2,600	13.0	13.1	35,000	34,000
West Central	98,000	93,000	12.5	12.7	1,226,500	1,184,500
Benton	17,000	17,500	12.6	12.7	214,000	222,000
Carver	22,600	23,600	13.0	13.3	293,500	313,500
Kandiyohi	12,100	12,200	13.1	13.4	158,500	164,000
McLeod	19,200	18,700	13.1	13.4	251,500	251,500
Meeker	14,200	13,800	13.1	13.5	186,000	186,500
Morrison	34,100	33,600	13.1	13.4	446,000	450,000
Renville	5,400	5,000	12.8	12.9	69,000	64,500
Scott	11,400	10,500	13.1	13.3	149,500	140,000
Sherburne	3,700	3,000	12.8	13.2	47,500	39,500
Sibley	13,700	14,100	12.8	13.0	175,500	183,500
Stearns	79,200	78,400	13.0	13.4	1,028,500	1,047,500
Todd	35,000	35,000	12.4	12.6	433,500	442,000
Wadena	9,600	9,200	12.4	12.4	119,500	114,500
Wright	23,300	24,600	13.2	13.5	307,500	332,000
Central	300,500	299,200	12.9	13.2	3,880,000	3,951,000

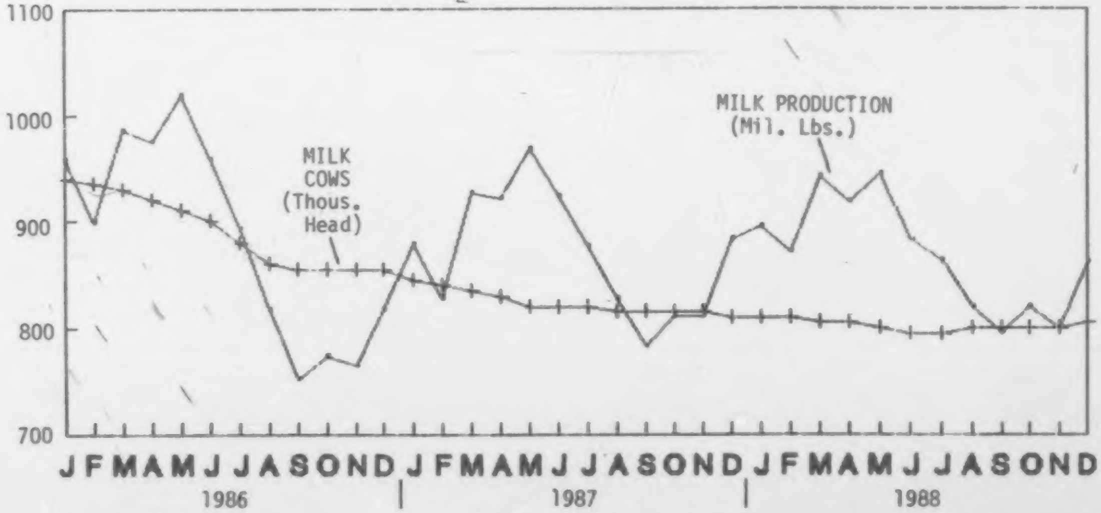
DAIRY: MILK COWS, PRODUCTION PER COW, TOTAL PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA 1987-88 (CONT'D)

DISTRICT AND COUNTY	ANNUAL AVERAGE MILK COWS ON FARMS		ANNUAL AVERAGE PRODUCTION PER COW		TOTAL PRODUCTION	
	1987	1988	1987	1988	1987	1988
	-NUMBER-		-THOUSAND POUNDS-		-THOUSAND POUNDS-	
Aitkin	3,500	3,500	12.6	12.6	44,000	44,000
Anoka	1,300	1,100	13.5	13.6	17,500	15,000
Carlton	5,500	5,200	12.0	12.1	66,000	63,000
Chisago	7,000	6,700	11.9	11.9	83,500	80,000
Crow Wing	3,800	3,300	12.4	12.4	47,000	41,000
Hennepin	7,000	5,700	13.1	13.2	91,500	75,500
Isanti	5,300	4,700	12.3	12.3	65,000	58,000
Kanabec	8,800	8,000	12.2	12.4	107,500	99,500
Mille Lacs	13,200	11,900	12.9	13.1	170,000	155,500
Pine	14,100	13,200	13.0	13.1	183,000	173,000
Ramsey	100	100	10.0	10.0	1,000	1,000
Washington	3,300	3,500	12.7	12.7	42,000	44,500
East Central	72,900	66,900	12.6	12.7	918,000	850,000
Cottonwood	3,100	3,400	12.4	12.9	38,500	44,000
Jackson	2,200	2,000	11.4	11.8	25,000	23,500
Lincoln	5,200	5,900	12.2	12.4	63,500	73,000
Lyon	3,900	4,000	12.2	12.3	47,500	49,000
Murray	6,500	6,000	11.3	11.7	73,500	70,000
Nobles	5,400	5,400	12.5	13.2	67,500	71,500
Pipestone	6,900	6,400	12.7	13.1	87,500	84,000
Redwood	4,500	4,600	12.4	13.0	56,000	60,000
Rock	4,700	4,600	11.3	11.5	53,000	53,000
Southwest	42,400	42,300	12.1	12.5	512,000	528,000
Blue Earth	2,600	2,800	12.9	13.2	33,500	37,000
Brown	10,900	10,500	12.9	13.1	140,500	137,500
Faribault	3,400	3,400	13.2	13.5	45,000	46,000
Freeborn	6,200	5,800	12.0	12.4	74,500	72,000
LeSueur	7,200	6,300	13.1	13.2	94,500	83,000
Martin	2,900	2,900	10.7	11.0	31,000	32,000
Nicollet	8,200	7,900	12.9	13.1	106,000	103,500
Rice	16,300	15,500	12.7	12.9	207,000	200,500
Steele	10,600	9,800	12.2	12.5	129,000	122,500
Waseca	6,200	5,400	12.3	12.4	76,000	67,000
Watonwan	1,900	2,000	11.8	12.3	22,500	24,500
South Central	76,400	72,300	12.6	12.8	959,500	925,500
Dakota	7,900	8,100	13.1	13.6	103,500	110,000
Dodge	11,100	10,000	12.8	13.4	142,000	134,000
Fillmore	23,200	22,200	12.7	13.0	294,000	287,500
Goodhue	31,600	29,700	13.2	13.7	416,500	406,500
Houston	17,800	17,500	12.7	13.0	225,500	227,500
Mower	8,400	8,300	13.5	13.9	113,000	115,000
Olmsted	18,200	16,800	12.8	13.3	232,500	223,000
Wabasha	23,200	22,300	13.5	13.9	312,500	311,000
Winona	29,700	29,500	12.5	13.1	370,500	387,500
Southeast	171,100	164,400	12.9	13.4	2,210,000	2,202,000
Minnesota	823,000	802,000	12.7	13.0	10,436,000	10,412,000

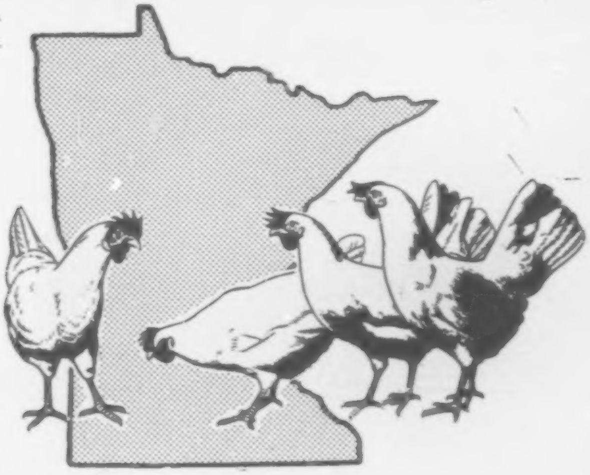
GEOGRAPHIC DISTRIBUTION OF MINNESOTA MILK PRODUCTION


1
2
3
4
5
MIL. LBS. PRODUCED IN 1988
⬚ Less than 30.0
▨ 30.0- 84.9
▥ 85.0-249.9
▦ 250.0+

MINNESOTA'S MONTHLY MILK PRODUCTION & MILK COWS



Poultry



In 1988, our state's turkey farms raised 38.5 million turkeys, down 5% from the previous year. The average price received by Minnesota growers for turkeys in 1988 was 38 cents per pound, up 6 cents from 1987. Value of production in 1988 was $267.7 million, an increase of 17% over the previous year.

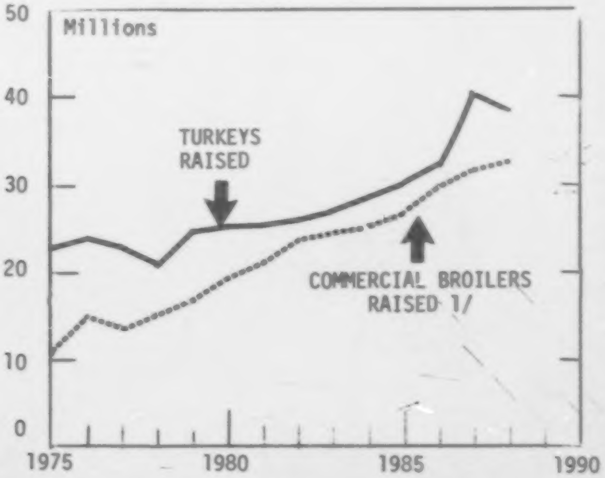
During 1988, hatcheries in the West North Central Region (which includes the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota, and Minnesota) placed 78.1 million turkey poults, down 8% from 1987.

The state's egg production in 1988 was 2.25 billion eggs, a decrease of 1% from 1987. The average number of layers on farms declined 2% to 9.0 million. The value of production from eggs fell 12% in 1988 to $71.3 million. The all-egg price also decreased 12% to 38.0 cents per dozen, the lowest since 1972.

The total chicken inventory (excluding broilers) on December 1, 1988 decreased 2% to 11.7 million. Value of sales from all chickens (excluding broilers) was down 32% to $2.1 million as price per pound decreased 19% to 8.9 cents.

In 1988, the number of broilers raised increased 4% to 33.1 million, a record-high production. A new record has been set every year since 1977. From 1987 to 1988, value of production increased 31% as a result of increased production plus a rise of 6 cents per pound in the average annual price.

Hatchery production of egg-type chicks decreased 2% to 18.8 million in 1988. These poultry estimates are based on survey data obtained from producers, hatcheries, and processing plants.



MINNESOTA POULTRY PRODUCTION

1/ December 1 previous year to November current year.

MINNESOTA CHICKEN AND EGG INVENTORY, PRODUCTION AND VALUE

Year	Chickens On Farms Dec. 1		Chickens 1/		Eggs 1/		Egg Type Chicks Hatched
	All	Hens & Pullets of Laying Age	Number Sold	Value of Sales	Number Produced	Value of Production	
	Thousands		Thousands	1,000 Dollars	Millions	1,000 Dollars	Thousands
1984	13,800	10,050	8,575	4,288	2,443	124,186	16,827
1985	12,700	9,670	7,500	3,053	2,267	83,123	13,949
1986	12,800	10,000	7,700	2,707	2,312	91,709	14,117
1987	11,900	9,600	7,700	3,049	2,263	81,091	19,189
1988	11,700	9,000	6,500	2,083	2,250	71,250	18,806

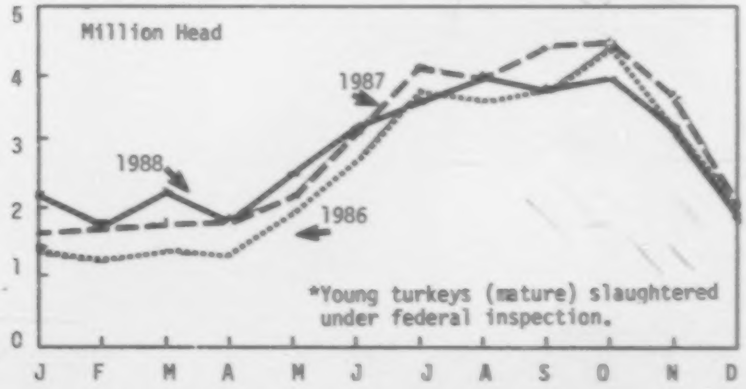
1/ December previous year to November current year.

BROILERS AND TURKEYS: PRODUCTION AND VALUE

Year	Commercial Broilers 1/		Turkeys	
	Number Raised	Value of Production	Number Raised	Value of Production
	Thousands	1,000 Dollars	Thousands	1,000 Dollars
1984	25,600	39,104	28,500	229,818
1985	26,900	38,333	30,400	250,338
1986	29,700	45,085	34,200	269,325
1987	31,700	37,913	40,500	228,096
1988	33,100	49,782	38,500	267,729

1/ December previous year to November current year.

MINNESOTA MONTHLY TURKEY SLAUGHTER*



*Young turkeys (mature) slaughtered under federal inspection.

MINNESOTA MONTHLY POULTRY PRODUCTION

CHICKENS: LAYERS ON FARMS
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual 1/
1984	10.4	10.3	10.3	10.0	9.9	9.9	9.8	9.8	9.8	9.9	10.0	10.1	10.1
1985	9.8	9.6	9.6	9.3	9.0	8.8	8.9	8.9	8.9	8.9	9.3	9.7	9.3
1986	9.9	9.8	9.4	9.4	9.3	9.0	8.9	9.0	9.1	9.3	9.7	9.8	9.4
1987	9.3	9.0	9.2	9.2	8.9	8.9	9.0	9.0	9.1	9.3	9.5	9.6	9.2
1988	9.5	9.4	9.3	9.1	8.8	8.7	8.8	8.7	8.6	8.7	8.9	9.0	9.0
EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH													
1984	20.9	19.1	20.7	20.0	20.1	19.4	20.2	20.4	20.0	20.6	20.2	21.2	243
1985	21.1	18.9	21.4	20.7	20.9	20.1	20.5	20.4	19.7	20.2	19.7	20.8	245
1986	21.0	18.9	21.3	20.5	21.3	20.7	20.9	20.6	19.7	20.4	20.4	21.3	246
1987	20.8	18.7	21.2	20.5	20.9	19.8	20.5	20.7	20.0	21.1	21.1	21.9	247
1988	21.7	20.1	21.6	20.7	20.6	19.7	21.1	21.2	20.3	20.6	20.4	21.8	250
EGGS: PRODUCTION ON FARMS 2/ (Million Eggs)													
1984	217	197	213	201	200	192	198	200	196	204	202	213	2,443
1985	207	182	205	193	187	177	182	182	175	180	184	202	2,267
1986	207	185	201	193	199	186	186	185	179	190	199	208	2,312
1987	192	169	195	188	187	177	183	186	183	195	200	210	2,263
1988	206	188	200	188	181	172	185	185	175	179	181	196	2,250

CHICKENS: EGG-TYPE HATCHERY PRODUCTION
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1984	1,459	1,447	1,446	1,848	1,859	1,645	1,613	1,454	1,298	648	1,117	993	16,827
1985	914	754	1,070	1,487	1,697	1,154	1,074	902	1,475	1,253	1,087	1,082	13,949
1986	1,239	1,216	934	1,284	1,325	1,305	1,004	1,097	1,097	1,253	808	1,555	14,117
1987	974	1,204	1,906	1,479	1,572	1,568	1,632	1,366	1,710	2,053	1,612	2,113	19,189
1988	1,290	1,721	1,721	1,509	1,814	1,634	881	1.048	1,791	1,535	1,773	2,089	18,806
TURKEYS: HATCHERY PLACEMENTS 3/ (Thousands)													
1984	3,937	4,867	6,615	6,977	7,892	7,490	7,004	4,086	2,176	2,708	3,360	3,305	60,417
1985	4,575	5,787	6,564	7,508	7,861	7,201	6,487	4,925	3,015	3,331	3,573	3,952	64,779
1986	4,741	6,187	7,303	8,221	8,547	7,968	7,457	4,978	3,804	4,491	4,097	5,857	73,651
1987	6,885	7,036	8,820	9,308	9,065	9,281	8,455	5,230	4,535	5,211	5,071	5,839	84,736
1988	6,537	7,250	8,358	8,179	8,349	8,531	6,781	5,314	4,408	4,508	4,798	5,105	78,118

1/ Annual data represent December previous year to November current year.
2/ Based on unrounded number of layers and eggs per layer.
3/ Totals are placements from West North Central Region hatcheries which include Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. Data represent total placements excluding exported poults.

HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88

DISTRICT AND COUNTY	ANNUAL AVERAGE HENS & PULLETS OF LAYING AGE		ANNUAL AVERAGE RATE OF LAY		TOTAL EGG PRODUCTION	
	1987	1988	1987	1988	1987	1988
	NUMBER		NUMBER		THOUSANDS	
Becker	15,000	14,000			3,800	3,600
Clay	576,000	570,000			138,600	137,600
Clearwater	527,000	518,000			128,600	127,700
Kittson	2,000	2,000			500	500
Mahnomen	5,000	5,000			1,200	1,200
Marshall	3,000	3,000			700	700
Norman	7,000	7,000			1,700	1,700
Pennington	6,000	6,000			1,500	1,500
Polk	121,000	119,000			29,200	29,000
Red Lake	24,000	19,000			5,900	4,700
Roseau	9,000	9,000			2,200	2,200
Northwest	1,295,000	1,272,000	242	244	313,900	310,400
Beltrami	4,000	4,000			900	900
Cass	3,000	3,000			700	700
Hubbard	5,000	5,000			1,200	1,200
Itasca	3,000	3,000			700	700
Koochiching	4,000	3,000			900	700
Lake of the Woods	2,000	2,000			400	400
North Central	21,000	20,000	229	230	4,800	4,600
Lake	1,000	1,000			200	200
St Louis	202,000	198,000			47,900	47,600
Northeast	203,000	199,000	237	240	48,100	47,800
Big Stone	49,000	52,000			11,500	12,300
Chippewa	72,000	71,000			17,400	17,300
Douglas	6,000	12,000			1,400	2,800
Grant	117,000	106,000			27,700	25,500
Lac Qui Parle	71,000	68,000			16,800	16,300
Otter Tail	57,000	53,000			13,400	12,600
Pope	43,000	44,000			10,300	10,800
Stevens	122,000	120,000			29,700	29,600
Swift	24,000	22,000			5,600	5,300
Traverse	4,000	4,000			900	1,000
Wilkin	21,000	21,000			5,000	5,100
Yellow Medicine	15,000	17,000			3,500	4,000
West Central	601,000	590,000	238	242	143,200	142,600
Benton	213,000	211,000			54,600	54,200
Carver	54,000	48,000			12,600	11,200
Kandiyohi	61,000	56,000			15,000	13,800
Mc Leod	71,000	69,000			17,600	17,100
Meeker	718,000	716,000			177,900	178,600
Morrison	788,000	782,000			199,900	200,500
Renville	100,000	97,000			25,000	24,400
Scott	20,000	17,000			4,800	4,200
Sherburne	140,000	135,000			33,600	32,500
Sibley	843,000	831,000			211,200	209,700
Stearns	498,000	454,000			118,600	108,600
Todd	60,000	63,000			14,300	15,100
Wadena	35,000	43,000			8,400	10,500
Wright	143,000	138,000			36,600	35,500
Central	3,744,000	3,660,000	248	250	930,100	915,900

HENS AND PULLETS OF LAYING AGE, RATE OF LAY, EGG PRODUCTION, BY DISTRICTS AND COUNTIES, MINNESOTA, 1987-88 (CONT'D)

DISTRICT AND COUNTY	ANNUAL AVERAGE HENS & PULLETS OF LAYING AGE		ANNUAL AVERAGE RATE OF LAY		TOTAL EGG PRODUCTION	
	1987	1988	1987	1988	1987	1988
	NUMBER		NUMBER		THOUSANDS	
Aitkin	15,000	14,000			3,600	3,400
Anoka	4,000	4,000			1,000	1,000
Carlton	4,000	4,000			900	900
Chisago	23,000	22,000			5,500	5,400
Crow Wing	9,000	9,000			2,200	2,200
Hennepin	33,000	33,000			8,200	8,300
Isanti	16,000	15,000			4,000	3,800
Kanabec	3,000	3,000			700	700
Mille Lacs	32,000	31,000			7,900	7,800
Pine	445,000	444,000			113,900	116,100
Ramsey	1,000	1,000			200	200
Washington	24,000	23,000			6,100	6,000
East Central	609,000	603,000	253	258	154,200	155,800
Cottonwood	155,000	150,000			39,100	38,500
Jackson	80,000	75,000			19,700	18,700
Lincoln	15,000	16,000			3,500	3,800
Lyon	72,000	70,000			17,900	17,600
Murray	42,000	39,000			10,300	9,700
Nobles	145,000	140,000			35,800	35,000
Pipestone	23,000	25,000			5,600	6,200
Redwood	121,000	117,000			29,800	29,200
Rock	43,000	42,000			10,700	10,600
Southwest	696,000	674,000	248	251	172,400	169,300
Blue Earth	59,000	61,000			15,000	16,000
Brown	112,000	108,000			28,100	27,900
Faribault	79,000	77,000			19,800	20,000
Freeborn	372,000	367,000			92,100	93,300
Le Sueur	72,000	70,000			18,200	18,200
Martin	51,000	50,000			12,800	12,800
Nicollet	279,000	309,000			69,000	78,500
Rice	72,000	48,000			17,600	12,000
Steele	193,000	198,000			48,300	51,100
Waseca	39,000	41,000			9,500	10,300
Watonwan	76,000	77,000			19,300	20,000
South Central	1,404,000	1,406,000	249	256	349,700	360,100
Dakota	45,000	43,000			11,000	10,700
Dodge	84,000	81,000			20,100	19,600
Fillmore	87,000	86,000			21,100	21,200
Goodhue	83,000	72,000			20,200	17,800
Houston	17,000	14,000			4,100	3,400
Mower	129,000	135,000			31,200	33,100
Olmsted	15,000	14,000			3,600	3,400
Wabasha	130,000	126,000			32,400	31,800
Winona	12,000	10,000			2,900	2,500
Southeast	602,000	581,000	244	247	146,600	143,500
Minnesota	9,175,000	9,005,000	247	250	2,263,000	2,250,000

SECTION 4

FARM PRICES

Crop Prices

The primary sources of the crop prices listed in the following tables are elevators and dealers which buy directly from farmers. The marketing year for different crops can be found in the footnotes following the tables. Prices for all commodities started to climb as farmers got farther into the 1988 planting season and the weather remained dry, windy, and hot throughout the Midwest. By the middle of 1988, crop prices in Minnesota were the highest since mid-1984.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS

CORN 1/
(Dollars per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1984	2.97	2.92	3.06	3.15	3.18	3.23	3.18	3.03	2.90	2.54	2.42	2.39	2.47
1985	2.45	2.45	2.53	2.59	2.57	2.54	2.51	2.38	2.24	2.10	2.11	2.15	2.05
1986	2.19	2.17	2.14	2.14	2.17	2.22	1.95	1.62	1.32	1.29	1.39	1.52	1.46
1987	1.41	1.32	1.51	1.45	1.62	1.59	1.51	1.39	1.43	1.45	1.45	1.59	1.98
1988	1.63	1.71	1.74	1.77	1.82	2.18	2.51	2.54	2.48	2.46	2.42	2.44	2.40
SOYBEANS 3/ (Dollars per Bushel)													
1984	7.80	7.04	7.24	7.74	7.94	7.95	6.98	6.40	5.92	5.90	5.89	5.63	5.60
1985	5.53	5.52	5.60	5.69	5.54	5.50	5.30	4.99	4.92	4.72	4.82	4.94	4.98
1986	5.02	5.06	5.11	5.10	5.13	5.09	4.98	4.88	4.66	4.39	4.55	4.53	4.72
1987	4.52	4.61	4.61	4.78	5.08	5.09	5.19	4.92	4.82	4.86	5.74	5.37	6.10
1988	5.48	5.72	5.81	6.19	6.78	7.77	8.38	8.14	7.81	7.47	7.34	7.22	7.35
SUNFLOWERS 3/ (Dollars per Cwt.)													
1984	13.60	12.90	14.50	15.60	17.10	17.90	18.00	4/	12.80	11.50	11.20	10.70	11.40
1985	12.20	11.60	11.90	12.10	12.30	11.20	11.20	9.80	4/	11.90	9.90	9.40	8.24
1986	8.63	8.27	7.72	7.28	6.70	7.64	6.92	5.91	9.40	7.23	6.65	6.85	7.11
1987	6.46	7.29	6.70	6.44	7.08	9.05	7.60	7.27	7.32	7.74	7.70	7.58	8.38
1988	8.46	9.66	6.46	8.91	9.47	10.85	14.20	14.70	15.60	15.60	14.70	14.00	13.20
ALL WHEAT 5/ (Dollars per Bushel)													
1984	3.76	3.72	3.78	3.86	3.92	3.96	3.54	3.58	3.38	3.32	3.43	3.29	3.42
1985	3.19	3.30	3.37	3.49	3.45	3.36	3.11	2.78	2.78	2.92	3.01	3.24	3.00
1986	3.16	3.17	3.25	3.33	3.26	2.52	2.28	2.36	2.34	2.33	2.41	2.56	2.43
1987	2.56	2.60	2.59	2.55	2.41	2.35	2.29	2.23	2.41	2.58	2.58	2.59	2.57
1988	2.64	2.74	2.68	2.59	2.90	3.17	3.52	3.47	3.68	3.81	3.62	3.77	3.81
OATS 5/ (Dollars per Bushel)													
1984	1.72	1.68	1.69	1.70	1.74	1.71	1.59	1.55	1.54	1.55	1.68	1.74	1.60
1985	1.69	1.71	1.70	1.63	1.52	1.46	1.28	1.14	1.06	1.06	1.09	1.19	1.17
1986	1.22	1.22	1.13	1.13	1.11	1.07	0.86	0.82	1.01	1.09	1.43	1.54	1.28
1987	1.57	1.44	1.41	1.68	1.51	1.40	1.27	1.38	1.50	1.55	1.46	1.71	1.62
1988	1.72	1.79	1.79	1.84	1.78	2.58	2.93	2.65	2.65	2.59	2.39	2.60	2.70

1/ Marketing year, October through September. 2/ 1988 is preliminary. 3/ Marketing year, September through August. 4/ Volume of sales too small to make a price estimates. 5/ Marketing year, July through June.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR CROPS (CONT'D)

BARLEY 1/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1984	2.39	2.37	2.39	2.45	2.48	2.53	2.29	2.11	1.92	2.00	1.96	1.86	2.08
1985	2.07	2.06	2.08	2.13	2.07	2.09	1.95	1.56	1.59	1.64	1.66	1.79	1.69
1986	1.86	1.76	1.78	1.90	1.63	1.50	1.26	1.10	1.21	1.39	1.53	1.51	1.47
1987	1.40	1.48	1.55	1.62	1.58	1.61	1.45	1.40	1.49	1.58	1.57	1.59	1.74
1988	1.61	1.68	1.65	1.64	1.78	2.38	2.71	2.95	2.89	2.64	3.00	2.52	2.80

ALL HAY, BALED 3/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1984	55.00	61.00	50.00	66.00	60.00	51.00	41.00	48.00	45.00	55.00	48.00	64.00	53.00
1985	57.00	55.00	54.00	47.00	57.00	57.00	63.00	68.00	61.00	63.00	65.00	64.00	67.00
1986	65.00	69.00	75.00	70.00	71.00	46.00	46.00	43.00	42.00	54.00	54.00	54.00	52.50
1987	58.00	53.00	56.00	57.00	57.00	57.00	65.00	64.00	64.00	64.00	59.00	63.00	63.50
1988	60.00	64.00	63.00	70.00	66.00	71.00	95.00	100.00	100.00	94.00	94.00	89.00	100.00

ALFALFA HAY, BALED 3/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1984	59.00	68.00	54.00	71.00	64.00	53.00	45.00	51.00	48.00	59.00	50.00	63.00	----
1985	60.00	61.00	58.00	51.00	60.00	60.00	72.00	74.00	67.00	67.00	67.00	71.00	----
1986	74.00	75.00	79.00	77.00	72.00	48.00	50.00	45.00	43.00	56.00	55.00	58.00	----
1987	62.00	56.00	60.00	60.00	62.00	62.00	67.00	69.00	67.00	69.00	67.00	67.00	----
1988	65.00	70.00	66.00	74.00	70.00	73.00	100.00	116.00	110.00	100.00	100.00	100.00	----

ALL OTHER HAY, BALED 3/
(Dollars Per Ton)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1984	41.00	42.00	43.00	46.00	44.00	43.00	28.00	23.00	33.00	46.00	34.00	45.00	----
1985	38.00	41.00	35.00	36.00	42.00	41.00	49.00	52.00	48.00	48.00	48.00	49.00	----
1986	52.00	52.00	54.00	53.00	50.00	39.00	32.00	35.00	38.00	44.00	45.00	44.00	----
1987	41.00	37.00	42.00	40.00	41.00	41.00	47.00	51.00	48.00	48.00	48.00	46.00	----
1988	44.00	50.00	43.00	54.00	48.00	51.00	78.00	83.00	75.00	75.00	68.00	73.00	----

FLAXSEED 1/
(Dollars Per Bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1984	6.84	6.84	7.24	6.90	4/	7.06	4/	6.15	5.69	5.70	6.24	6.00	5.95
1985	4/	6.43	6.41	6.85	7.13	6.50	5.99	6.19	5.15	5.16	4.72	4.62	4.95
1986	4.63	4.76	4.95	4.87	4.52	4.61	3.93	3.59	3.56	3.42	3.45	3.37	3.39
1987	2.94	3.00	2.96	3.13	3.74	2.95	3.37	3.43	3.08	3.03	3.25	3.40	3.43
1988	3.40	3.70	3.79	4.30	4.58	4.86	6.63	6.09	8.55	8.43	7.50	7.70	7.90

POTATOES 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing Year Average Price 2/
1984	4.80	5.70	5.50	5.80	6.10	6.50	10.00	10.00	4.15	3.90	4.50	4.40	5.10
1985	4.90	5.05	5.55	5.10	5.20	4/	3.00	3.00	2.80	3.05	3.00	3.45	2.95
1986	3.20	3.10	2.85	2.55	3.10	4/	6.75	6.75	3.55	3.30	4.35	4.60	4.50
1987	4.80	4.80	5.10	5.40	5.90	4/	3.95	2.85	3.05	3.20	3.35	3.60	3.25
1988	3.40	3.70	3.85	3.70	3.25	4/	4/	6.25	4.15	3.80	7.40	7.05	6.85

1/ Marketing year, July through June. 2/ 1988 is preliminary. 3/ Marketing year, June through May.
4/ Volume of sales too small to make a price estimate.

Livestock, Dairy, Poultry Prices

The livestock and dairy price statistics included in these tables are based on reports from farmers, auction markets, livestock buyers, meat and poultry processing plants, the South St. Paul market, produce houses, egg handlers and dealers, marketing cooperatives, dairy plants, and other firms doing business with farmers. The marketing year for livestock, dairy, and poultry items is a calendar year, except for hogs, chickens, and eggs, which are on a December-November basis.

The 1988 annual average price for hogs decreased 17% from 1987. Prices for sheep were 15% lower, beef cattle increased 8% and calves were 12% higher. Wool prices were up 35%. The 1988 annual average price for lambs decreased 11%. Table market eggs were 12% lower.

The 1988 annual average price for all milk was 19 cents lower than a year earlier. Manufacturing grade milk was down 20 cents and grade A milk was down 19 cents.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK

BEEF CATTLE 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1984	43.80	49.20	51.20	51.70	50.90	49.80	48.70	48.80	48.00	43.50	46.50	50.50	48.60
1985	52.80	54.10	52.90	51.80	52.00	50.70	45.90	45.70	44.80	47.20	50.70	48.10	49.60
1986	49.10	47.90	48.00	45.60	48.60	47.60	49.50	51.30	51.40	50.90	51.70	49.00	49.20
1987	52.50	54.70	56.20	59.90	61.00	61.10	58.50	58.50	61.20	58.60	57.10	58.00	58.10
1988	59.30	62.10	64.60	65.00	67.50	61.90	58.70	61.50	62.50	62.40	61.70	62.90	62.50

STEERS AND HEIFERS
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1984	55.30	58.50	57.80	57.00	55.30	53.50	55.00	55.30	53.60	49.60	54.10	57.00	55.10
1985	58.60	59.40	57.10	55.60	54.60	53.60	48.60	48.30	48.30	52.30	57.10	56.30	53.90
1986	55.30	52.70	52.00	50.20	51.90	51.00	54.10	56.50	56.70	56.10	58.10	56.70	54.30
1987	56.20	59.00	60.10	63.60	65.30	65.60	63.10	63.20	65.30	63.50	62.30	62.90	62.50
1988	64.10	67.00	69.40	69.30	72.10	67.30	63.50	65.90	67.50	68.00	68.00	69.20	67.60

COWS 2/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1984	34.30	39.40	42.20	41.70	41.50	41.00	38.80	38.10	35.50	36.00	34.00	34.00	37.90
1985	37.30	39.90	39.90	39.10	39.00	37.70	35.40	35.40	34.30	33.30	32.10	31.50	35.80
1986	34.10	35.50	36.70	34.40	36.60	37.00	36.30	35.60	36.20	35.80	33.90	34.40	35.40
1987	38.90	40.30	42.60	42.60	41.50	43.00	43.30	43.40	44.70	43.20	43.00	44.60	42.60
1988	45.40	47.10	48.00	47.80	48.10	43.20	44.40	45.80	46.20	44.40	43.00	44.90	45.60

CALVES
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1984	56.30	57.20	57.10	57.90	56.00	61.80	58.20	53.00	54.80	53.70	50.20	55.30	55.60
1985	56.70	59.70	57.10	57.80	58.60	60.50	52.50	52.30	54.60	53.20	53.30	51.20	55.40
1986	53.90	56.90	55.20	51.90	55.40	58.40	53.00	58.10	62.50	60.40	62.20	61.20	58.30
1987	67.10	70.50	70.10	73.60	76.50	80.60	78.00	86.10	85.80	82.10	79.70	81.60	78.30
1988	82.00	88.50	87.10	88.90	94.90	86.00	80.30	94.00	89.80	86.90	84.20	84.20	87.50

1/ "Cows" and "Steers and Heifers" combined.
2/ Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR LIVESTOCK (CONT'D)

HOGS 1/
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1984	48.20	45.80	46.60	48.00	47.60	49.90	52.80	50.60	46.30	43.60	46.70	49.00	47.50
1985	48.20	48.40	43.70	41.20	41.50	44.90	46.20	42.30	39.90	43.50	43.70	45.50	44.40
1986	44.50	42.70	41.00	40.20	46.90	54.40	60.40	63.70	59.70	53.70	53.10	51.20	50.70
1987	47.30	48.30	48.90	51.40	55.30	60.70	61.30	59.80	54.30	48.80	40.60	41.00	51.80
1988	43.70	46.40	42.40	42.40	47.90	47.70	45.20	45.60	40.80	39.00	36.40	40.60	43.10
SHEEP (Dollars Per Cwt.)													
1984	16.20	15.90	18.10	14.60	13.00	12.70	14.80	14.60	14.50	13.20	14.50	17.50	14.70
1985	22.30	24.80	20.70	19.40	19.70	19.30	22.20	21.40	23.60	22.80	24.30	25.30	21.70
1986	29.20	25.80	21.70	21.50	23.60	22.00	23.60	23.80	24.20	23.00	23.80	24.90	23.80
1987	26.80	26.70	25.20	23.40	22.20	21.20	22.70	25.20	24.80	24.00	25.90	30.10	24.60
1988	31.70	27.00	22.30	20.20	17.50	16.10	16.10	17.60	18.20	18.70	18.80	21.70	20.80
LAMBS (Dollars Per Cwt.)													
1984	60.80	61.00	58.30	62.10	63.20	59.40	60.00	61.80	63.80	63.80	65.80	63.40	62.10
1985	64.00	68.70	70.30	68.90	70.90	71.70	72.80	70.90	69.70	66.90	66.80	63.60	68.80
1986	65.60	69.80	65.10	72.30	79.10	74.30	72.10	69.10	64.40	60.20	68.40	74.10	69.10
1987	77.50	77.70	80.40	85.00	88.10	80.60	74.50	72.60	71.10	68.00	66.20	74.10	75.60
1988	82.80	79.30	78.70	73.20	73.20	58.90	61.20	56.60	60.60	63.70	63.40	67.00	67.20
WOOL (Cents Per Pound)													
1984	45	47	50	56	61	57	59	57	54	52	52	55	54
1985	50	50	46	42	46	39	39	40	42	45	38	46	44
1986	43	42	43	44	46	48	47	45	45	47	47	48	45
1987	50	50	53	55	57	57	56	50	65	54	61	68	57
1988	63	67	73	77	75	76	77	73	74	83	77	96	77

1/ Annual average price is the marketing year average--December previous year through November current year.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR MILK AND MILK COWS

ALL MILK
(Dollars Per Cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1984	12.76	12.64	12.62	12.57	12.52	12.40	12.47	12.62	13.19	13.50	13.62	13.32	12.82
1985	13.11	12.89	12.58	12.08	11.83	11.56	11.33	11.46	11.73	12.04	12.06	12.00	12.05
1986	11.78	11.65	11.54	11.45	11.37	11.26	11.29	11.70	12.31	12.67	12.94	12.75	11.85
1987	12.47	11.97	11.72	11.60	11.48	11.39	11.43	11.65	12.12	12.37	12.26	11.98	11.86
1988	11.71	11.33	11.12	10.96	10.83	10.71	10.86	11.37	12.15	12.84	13.31	13.30	11.67
FLUID MARKET MILK (Dollars Per Cwt.)													
1984	13.02	12.88	12.87	12.83	12.78	12.67	12.73	12.86	13.40	13.74	13.86	13.56	13.08
1985	13.36	13.13	12.77	12.30	12.02	11.70	11.51	11.65	11.92	12.22	12.24	12.21	12.24
1986	11.99	11.86	11.74	11.64	11.56	11.47	11.50	11.90	12.53	12.90	13.18	12.98	12.07
1987	12.69	12.24	11.96	11.82	11.70	11.61	11.63	11.85	12.32	12.59	12.46	12.18	12.08
1988	11.95	11.55	11.34	11.17	11.05	10.92	11.05	11.52	12.32	13.03	13.53	13.51	11.89
MANUFACTURING GRADE MILK (Dollars Per Cwt.)													
1984	12.31	12.21	12.20	12.15	12.07	12.00	12.02	12.18	12.80	13.04	13.13	12.83	12.37
1985	12.63	12.41	12.20	11.66	11.47	11.28	10.96	11.07	11.34	11.63	11.65	11.52	11.65
1986	11.31	11.20	11.11	11.04	10.96	10.83	10.82	11.26	11.80	12.10	12.34	12.16	11.35
1987	11.91	11.33	11.16	11.08	10.97	10.90	10.97	11.17	11.61	11.82	11.75	11.44	11.32
1988	11.11	10.78	10.58	10.45	10.32	10.20	10.40	10.98	11.70	12.34	12.70	12.69	11.12
MILK COWS 1/ (Dollars Per Head)													
1984	850	--	--	910	--	--	890	--	--	830	--	--	870
1985	790	--	--	820	--	--	785	--	--	730	--	--	780
1986	680	--	--	750	--	--	780	--	--	760	--	--	745
1987	760	--	--	850	--	--	850	--	--	870	--	--	835
1988	900	--	--	950	--	--	870	--	--	890	--	--	905

1/ Milk cows sold for dairy herd replacement only.

MINNESOTA MONTHLY PRICES RECEIVED BY FARMERS FOR POULTRY

TURKEYS
(Cents Per Pound - Liveweight)

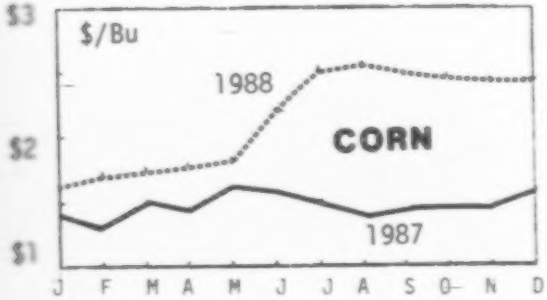
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average Price
1984	45.0	40.0	40.0	44.0	41.0	41.0	42.0	44.0	44.0	49.0	54.0	57.0	46.0
1985	54.0	41.0	39.0	38.0	38.0	40.0	42.0	46.0	50.0	55.0	56.0	56.0	48.0
1986	33.0	37.0	37.0	38.0	41.0	47.0	47.0	49.0	48.0	49.0	48.0	37.0	45.0
1987	31.0	33.0	34.0	33.0	34.0	33.0	32.0	31.0	28.0	29.0	32.0	35.0	32.0
1988	33.0	34.0	34.0	33.0	32.0	35.0	39.0	39.0	42.0	44.0	43.0	37.0	38.0

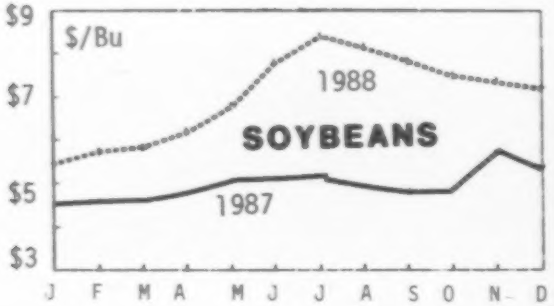
TABLE MARKET EGGS 1/
(Cents Per Dozen)

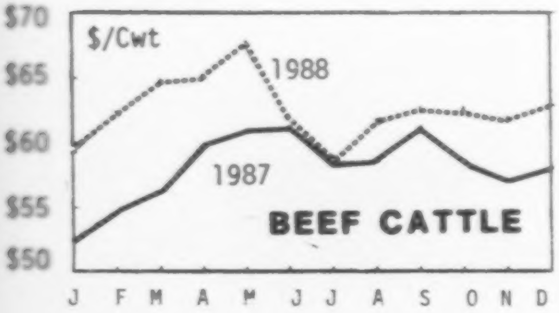
1984	85.0	80.0	65.0	79.0	57.0	46.0	45.0	44.0	44.0	44.0	46.0	46.0	59.0
1985	35.0	34.0	42.0	40.0	35.0	37.0	37.0	42.0	48.0	49.0	51.0	50.0	41.0
1986	48.0	45.0	53.0	42.0	41.0	35.0	41.0	47.0	46.0	41.0	51.0	50.0	45.1
1987	46.0	43.0	40.0	39.0	34.0	37.0	36.0	33.0	42.0	34.0	41.0	29.0	40.0
1988	32.0	30.0	34.0	29.0	27.0	31.0	39.0	42.0	46.0	43.0	40.0	39.0	35.0

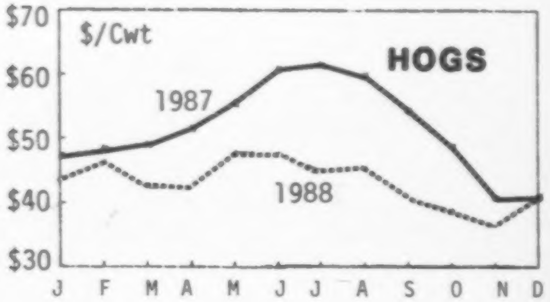
1/ Table market eggs include eggs sold retail by the producer but exclude hatching eggs. The annual average price is the marketing year average - December previous year through November current year.

Minnesota Prices Received

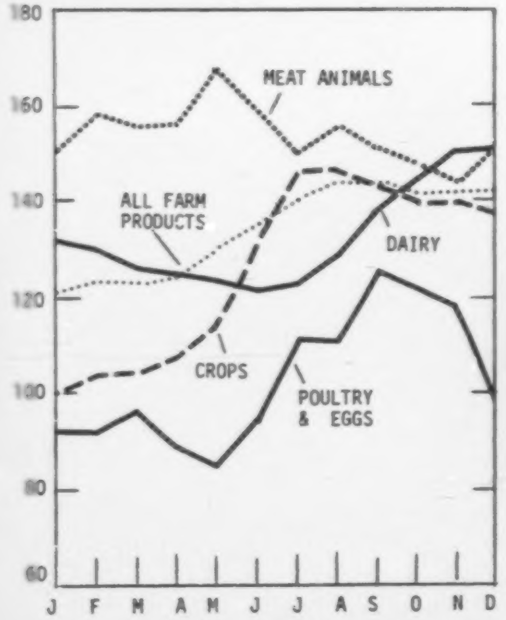








**PRICES RECEIVED 1988:
MINNESOTA MONTHLY INDEXES
(1977-100)**



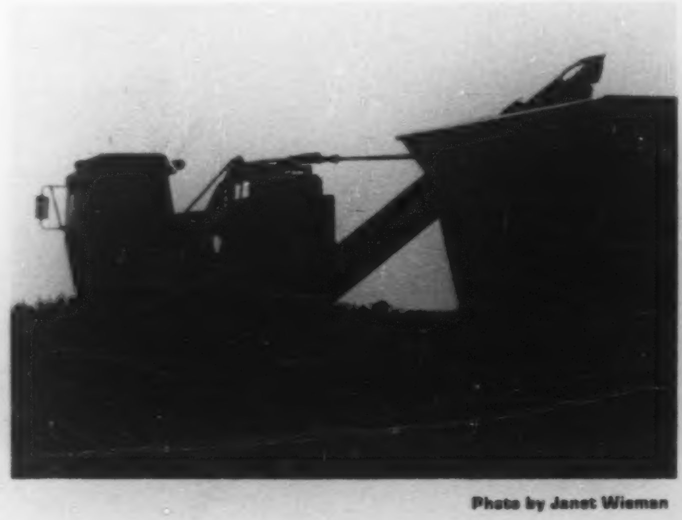


Photo by Janet Wieman

-Index-

Apples 9, 27
Assets, Farm 12
Barley:
  Acreage, Yield, Production 20, 23, 50
  Cash Receipts 9
  Marketings 28
  Planting & Harvesting 58, 59-60
  Prices 21, 23, 92
  Rank of Important States & Counties 4-5
  Records Set 21
  Stocks 21, 29
  Value 23
Beans, Dry Edible:
  Acreage, Yield, Production 20, 26, 54
  Cash Receipts 9
  Prices 26
  Rank of Important States & Counties 4-5
  Value 26
Bees, Honey 75
Butter 4, 80, 81
Carrots 27
Cash Receipts:
  County Totals 10-11
  Individual Commodities 9
  Rank of Important States & Counties 4-5
  Summary 8
Cattle & Calves:
  Calf Crop 63, 66, 67
  Cash Receipts 9, 67
  Farm/Retail Spread 14
  Farms With Cattle & Calves 63
  Geographic Distribution 72
  Marketings 67
  Number -
    On Farms 63, 65, 66, 67, 68-69
    On Feed 64, 66, 67, 68-69
  Prices 67, 93, 97
  Rank of Important States & Counties 4-5
  Records Set 64
  Slaughter 65, 67, 79
  Value 63, 66, 67
Cheese 4, 80, 81
Chickens:
  Broilers 9, 85, 86
  Cash Receipts 9
  Hatchery Production 85, 86, 87
  Number 66, 85, 86, 87, 88-89
  Rank of Important States & Counties 4-5
  Records Set 64
  Value 66, 85, 86
Climatic Summary 16-18
Corn:
  Acreage, Yield,
    Production 20, 22, 23, 32-33, 34-35
  Cash Receipts 9
  Geographic Distribution 31
  Marketings 28
  Planting & Harvesting 58
  Prices 21, 23, 91, 97
  Rank of Important States & Counties 4-5
  Records Set 21
  Stocks 21, 29
  Value 23
  (See Also Sweet Corn for Proc. & Silage Corn)
Cows:
  Farms With Cows 63
  Number 65, 66, 70-71, 81, 82-83, 84
  Prices 92, 95
  Rank of Important States & Counties 4-5
Cows (Cont'd):
  Records Set 64
  Value 66
  (See Also Dairy, Cattle)
Crops (See Specific Commodity)
Crop Assets 12
Cropland Planted As Percent
  of Total Land In County 30, 32-33
Dairy:
  Cash Receipts 9, 80
  Chart Summary 84
  Farm/Retail Spread 14
  Income 80
  Manufacturing Products 80
  Prices 95
  Rank of Important States & Counties 4-5
  (See Also Individual Commodities)
Debt, Farm 12
Eggs:
  Cash Receipts 9
  Farm/Retail Spread 14
  Geographic Distribution 73
  Prices 85, 96
  Production 85, 86, 87, 88-89
  Rank of Important States 4-5
  Value 85, 86
Equity, Farm 12
Expenses, Farm Production 8
Exports 4, 15
Farmers' Share of Food Dollar 13, 14
Farms:
  Number, Land in Farms,
    Average Size 6, 30, 32-33
  Rank of Important States 4
Fertilizer Use 61
Financial Assets 12
Flaxseed:
  Acreage, Yield, Production 20, 24, 51
  Cash Receipts 9
  Marketings 28
  Planting & Harvesting 58
  Prices 21, 24, 92
  Rank of Important States & Counties 4-5
  Records Set 21
  Stocks 21
  Value 24
Food, Marketing & Farmers Share 13, 14
Food Costs 13, 14
Frost Dates 17
Government Payments 5, 8, 10-11
Grains:
  Marketings by Months 28
  Stocks 29
  (See Also Specific Commodities)
Greenhouse & Nursery 9
Harvesting Dates 58, 60
Hay:
  Acreage, Yield, Production 25, 46-49
  Cash Receipts 9
  Marketings 28
  Harvesting Dates 58
  Prices 25, 92
  Rank of Important States 4
  Records Set 21
  Stocks 29
  Value 25
Hogs:
  Cash Receipts 9, 75
  Farm/Retail Spread 14
  Farms With Hogs 63
  Farrowings 63, 74, 76-77

- Hogs (Cont'd):
  - Geographic Distribution 72
  - Marketings 74, 75
  - Number 63, 64, 66, 74, 76-77
  - Pig Crop 63, 64, 74, 75, 76-77
  - Prices 75, 94, 97
  - Rank of Important States & Counties 4-5
  - Records Set 64
  - Slaughter 65, 74, 75, 79
  - Value 63, 66, 75
- Honey 4, 9, 75
- Ice Cream 4, 80
- Income, Farm
  - Cash Receipts 8, 9, 10-11
  - Income per Farm 8
  - Rank of Important States & Counties 4-5
  - Summary 8
  - (See Also Specific Commodity)
- Land, Farm Value 7
- Land in Farms 6, 30, 32-33
- Livestock (See Specific Kinds)
- Livestock Assets 12
- Machinery Assets 12
- Marketing Share of Food Dollar 13, 14
- Milk:
  - Chart Summary 84
  - Disposition 80
  - Geographic Distribution 84
  - Milkfat 81
  - Non-Fat Dry Milk 80
  - Prices 95
  - Production 80, 81, 82-83
  - Products Manufactured 80
  - Rank of Important States & Counties 4-5
  - Records Set 64
  - Value & Income 80
- Mink 4, 75
- Oats:
  - Acreage, Yield, Production 20, 23, 44-45
  - Cash Receipts 9
  - Geographic Distribution 31
  - Marketings 28
  - Planting & Harvesting 58
  - Prices 21, 23, 91
  - Rank of Important States & Counties 4-5
  - Records Set 21
  - Stocks 21, 29
  - Value 23
- Onions 27
- Peas, Green for Processing 4-5, 9, 27, 57
- Pigs (See Hogs)
- Planting & Harvesting Dates 58, 59
- Potatoes:
  - Acreage, Yield, Production 26, 53
  - Cash Receipts 9
  - Prices 26, 92
  - Rank of Important States & Counties 4-5
  - Value 26
- Poultry (See Specific Kind)
- Precipitation 16, 18
- Prices:
  - Received by Farmers 91-97
  - (See Also Specific Commodity)
- Production Expenses 8
- Rank of Important Counties 5
- Rank of Important States 4
- Real Estate Assets, Debt 12
- Red Meat Production 4
- Rice, Wild 61
- Rye:
  - Acreage, Yield, Production 20, 23, 52
  - Cash Receipts 9
  - Planting & Harvesting 58
- Rye (Cont'd):
  - Prices 21, 23
  - Rank of Important States & Counties 4-5
  - Records Set 21
  - Stocks 21
  - Value 23
- Sheep & Lambs:
  - Cash Receipts 9
  - Farms With Sheep 63
  - Geographic Distribution 73
  - Lamb Crop 66, 78
  - Marketings 78
  - Number 63, 65, 66, 68-69, 78
  - Number Shorn for Wool 78
  - Prices 78, 94
  - Rank of Important States & Counties 4-5
  - Records Set 64
  - Slaughter 78, 79
  - Value 63, 66, 78
- Silage Corn 23, 36-37
- Soybeans:
  - Acreage, Yield, Production 20, 23, 38-39
  - Cash Receipts 9
  - Geographic Distribution 31
  - Marketings 28
  - Planting & Harvesting 58, 59-60
  - Prices 21, 23, 91, 97
  - Rank of Important States & Counties 4-5
  - Records Set 21
  - Share Of World Trade 15
  - Stocks 21, 29
  - Value 23
- Sugarbeets:
  - Acreage, Yield, Production 20, 24, 53
  - Cash Receipts 9
  - Planting & Harvesting 58, 59-60
  - Prices 24
  - Rank of Important States & Counties 4-5
  - Records Set 21
  - Value 24
- Sunflowers:
  - Acreage, Yield, Production 20, 25, 55
  - Cash Receipts 9
  - Planting & Harvesting 58
  - Prices 25, 91
  - Rank of Important States & Counties 4-5
  - Records Set 21
  - Value 25
- Sweet Corn for Processing 4-5, 9, 27, 56
- Temperatures 16-18
- Turkeys:
  - Cash Receipts 9
  - Hatchery Production 85, 87
  - Numbers 85, 86
  - Prices 85, 96
  - Rank of Important States 4
  - Records Set 64
  - Value 85, 86
- Weather Summary 16-18
- Wheat:
  - Acreage, Yield, Production 20, 24,2 40-43
  - Cash Receipts 9
  - Geographic Distribution 31
  - Marketings 28
  - Planting & Harvesting 58, 59-60
  - Prices 21, 24, 91
  - Rank of Important States & Counties 4-5
  - Records Set 21
  - Share Of World Trade 15
  - Stocks 21, 29
  - Value 24
- Wild Rice 61
- Wool 9, 94
- World Food Costs 13